

May 28, 2015 Daily Report

(Presenting May 27 Progress and Plans Forward)

Refugio Incident

This daily report addresses elements listed in the *Order for Removal, Mitigation or Prevention of a Substantial Threat of Oil Discharge*. The elements include descriptions of 1) significant developments, 2) work performed, 3) analytical data received, 4) treatment and disposal information, 5) schedule of work, and 6) anticipated problems and planned resolutions. The following attachments contain detailed information pertaining to each listed element:

- **Executive Summary** (describing prior day, May 27)
 - Significant Developments
 - Work Performed
 - Disposal Information
- **CTEH Summary of Environmental Sampling Efforts** (May 27)
 - Analytical Data Received to Date
- **Incident Action Plan** (Effective May 28 06:00 – May 29 05:59)
 - Schedule of Work to be Performed (Form 204)
- **Incident Objectives Form 202** (Effective May 28 06:00 – May 29 05:59)
 - Anticipated problems and planned resolutions

Incident Command Post Santa Barbara

Refugio Oil Spill

Unified In All Missions

Status as of:

27 May 2015 / 1116

www.refugioresponse.com

Executive Summary

Incident Command Post (ICP) Santa Barbara continues to operate out of the Santa Barbara Emergency Operations Center located in Santa Barbara, CA. The Unified Command is comprised of representatives of the U. S. Coast Guard, the U. S. Environmental Protection Agency, California Department of Fish and Wildlife, Santa Barbara County Office of Emergency Management and Plains All American Pipeline. The ICP is currently overseeing operations in Santa Barbara County from Gaviota to Coal Oil Point, 23.74 miles of shoreline, 30 miles of offshore and inland where the response originated. Staging Areas are located at Refugio State Beach, El Capitan East and El Capitan West. Plains All American estimates that the maximum potential release is 101,000 gallons spilled.

The FOSC and the EPA OSC issued and cosigned an administrative order to the responsible party for the removal, mitigation, or prevention of a substantial threat of oil discharge was to the responsible party.

Current Impacts

- The majority of oiling is located in beaches, cobble, riprap, and on rock faces between Arroyo Hondo and El Capitan Beach. Light oiling has been discovered as far as Arroyo Burro (east) and 2 miles west of Arroyo Hondo (west). These areas have been targeted for light mechanical and manual removal as needed.
- Winds and currents have spread offshore and the leading edge eastward. Oil escaping the near shore zone is being collected by oil recovery vessels.
- Oiled areas onshore threaten sensitive and endangered species habitat areas.

Potential Impacts

- As free-floating oil progressed east, Coal Oil Point, Haskell Beach, Bacara (a 5 star resort) and Goleta Beach were oiled, however it has yet to be verified whether light oiling is from natural seepage or the current discharge. Coal Oil Point is a sensitive habitat for Plovers; Goleta Beach is a popular swimming and water sports location. Oiling has been documented by SCAT teams as far as Arroyo Burro.
- All sensitive areas have been boomed off down to Devereaux slough which has a natural berm for exclusion.
- The pipeline was secured on 19 May 2015. The remaining oil had a potential for further oiling of beaches/wildlife and was mitigated on 20 May 2015. It was estimated the most significant impacts had likely already occurred.

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Response Efforts

Location	Oiled Soil Removed (cubic yds)	Oiled Sand Removed (cubic yds)	Oiled Vegetation Removed (cubic yds)	Oiled PPE Removed (cubic yds)
Discharge Site	0	0	0	0
El Capitan	0	2	3	4
Venadito	0	10	1	2
Tijiagus	0	1.5	4	2.5
Coal Oil Point	0	5	5	0
Refugio	0	20	10	0
Arroyo Quemada	0	5	2.5	10
Los Flores	0	4	4	0
Daily Total	0	47.5	29.5	18.5
Cumulative Total	1990	814.5	235.5	71.5

- Onshore: Task forces conducted manual and light mechanical removal of oil waste:
 - To date an approximate 1990 cubic yards of soil has been excavated around the release area and workers continue to excavate area. 190 roll off containers have been filled to 10 cubic yards with oiled soil.
 - Crews have identified the exact discharge location from the pipe.
 - Preliminary inspections by Pipeline Hazardous and Materials Safety Administration (PHMSA) were completed and pipeline removal is slated to begin tomorrow, 28May2015 at 0630.
 - Further nondestructive testing will completed before the pipeline segment is transported from the incident.
- Shoreline:
 - 5 SCAT teams have reported oil on beaches 2 miles west of Arroyo Hondo and east to Arroyo Burro. Mainly moderate oiling with most areas under 30% coverage.
 - There are 751 contractors conducting shoreline cleanup of oiled debris or performing other functions in the field. The following has been removed to date; 814.5 cubic yards of oiled sand, 235.5 cubic yards of oiled vegetation, and 71.5 cubic yards of oiled PPE.
 - Commenced cleaning and scraping of rocks to remove oil with biologist and tribal representatives.
 - 4580 feet of boom have been deployed to protect identified ACP sites

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- On Water: Oil recovery vessels conducted offshore skimming of free floating oil:
 - 20 vessels and 02 barges were assigned to booming operations (with both hard and sorbent boom), skimming operations, and decon. Since initial notification, 10,060 gallons of oily water has been recovered.
 - 6,000 feet total boom has been deployed by the on water recovery group.
 - Visible oil was observed from scheduled NOAA over flights. The area is prone to natural oil seepage and the environmental unit is assessing possible sources and distinction of natural seepage versus oil spilled from this response.
 - CA Fish and Wildlife P/B Swordfish on scene to enforce fishery closure.

Impact Measurements

	TOTAL Birds			TOTAL Mammals		
Date	Live	Dead	Date Totals	Live	Dead	Date Totals
27-May-15	6	2	8	4	1	5
Cumulative Total	39	18	57	22	10	32

	Shoreline Oiling Categories (miles and %) - Refugio Incident																
Most Recent Survey Date	Heavy		Moderate		Light		Very Light		Tar balls (<1%)		No Oil Obs.		Background		Total Oiled Shoreline	Total Surveyed Shoreline	
5/26/2015	4.98	21.0%	9.59	40.4%	8.3	35.0%	0.78	3.3%	0.09	0.4%	3.58	15.1%	4.06	17.1%	23.74	31.37	

- Approximately 31.37 miles of shoreline have been assessed, of that 4.98 miles have been heavily impacted, 9.59 miles have been moderately impacted, 8.297 have been lightly impacted, .779 have been very lightly impacted, and 3.579 miles have been identified with no impact. The total miles of impacted shoreline to date is 23.74 miles.
- Effected beaches border Refugio and Coal Oil Point. Campgrounds in these areas have been and remain closed, campers were evacuated. The state beaches are closed until further notice for Refugio and El Capitan beaches.
- A 23 mile by 7 mile area offshore has been closed to fishing. There is a 1000 feet temporary flight restriction within a 5 mile radius of Refugio Beach until May 29 2015.

Weather

- Today's weather conditions were overcast throughout the morning and mostly sunny after noon with a high in the 68s, with winds light throughout the morning increasing to 15 mph gusts in the evening.

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- Tomorrow, winds will be light and variable throughout the morning and increasing in the afternoon to 10 mph with occasional gusts of 15 mph.
- Outlook through next week – no significant weather is expected.

External Affairs

- Unified Command has interacted with the media through press briefings held at 1500 near the ICP. The Joint Information Center remains fully engaged.
- Stakeholder Roundtable Discussion was held at 1600 and the following stakeholders were in attendance:

Environmental Defense Council	Recreational Fishing
University California Santa Barbara	Community Environmental Council
Sierra Club	Santa Ynez Band of the Chumash
Wildlife Care Network	Chumash
Surf Rider's Foundation	Audubon
Channel Keepers	Coastal Protection Network
Commercial Fishing	Ocean Conservancy
3rd District Chief of Staff	2nd District Chief of Staff

Tribal and Elected Officials

- Chumash tribal members continue to be involved / consulted with response providing cultural and archeological guidance and oversight as needed.
- Tomorrow the city of Goleta has requested a presence at their city council meetings. CG and RP representatives will attend. UC representatives will brief spill response efforts to date.

Safety / Security

- Extra security has been hired for the Incident Command Post

Personnel Involved

- 879 are engaged in Field Operations.
- 301 personnel checked into the ICP.
- 33 volunteers conducted cleanup operations at Goleta Beach

Refugio Incident

Summary of CTEH® Environmental Sampling Efforts

May 27, 2015

As part of response efforts, CTEH® began collecting product and environmental samples, i.e., water and/or sediment, on May 20, 2015. This environmental sampling has been conducted under a Unified Command-approved sampling plan. This report contains environmental sampling efforts completed to date by CTEH® in support of Refugio Incident Response Efforts. **Table 1**, below, provides a sample count for each type of environmental media collected by CTEH®. **Table 2** provides a summary of TPH¹ data reported in water samples to date. Maps of environmental sampling locations are provided as attachments.

Table 1: Environmental Preliminary Sample Summary
05/20/2015– 05/26/2015

Media	Matrix	Sample Count
Water	Surface Water	45
	Water Column	16
Sediment	Beach Sediment ²	13
	Ocean Sediment ³	4
Petroleum	Product/Tar Ball Sample	14

² Beach sediment samples are collected from both the intertidal zone and on dry sand above the intertidal zone.

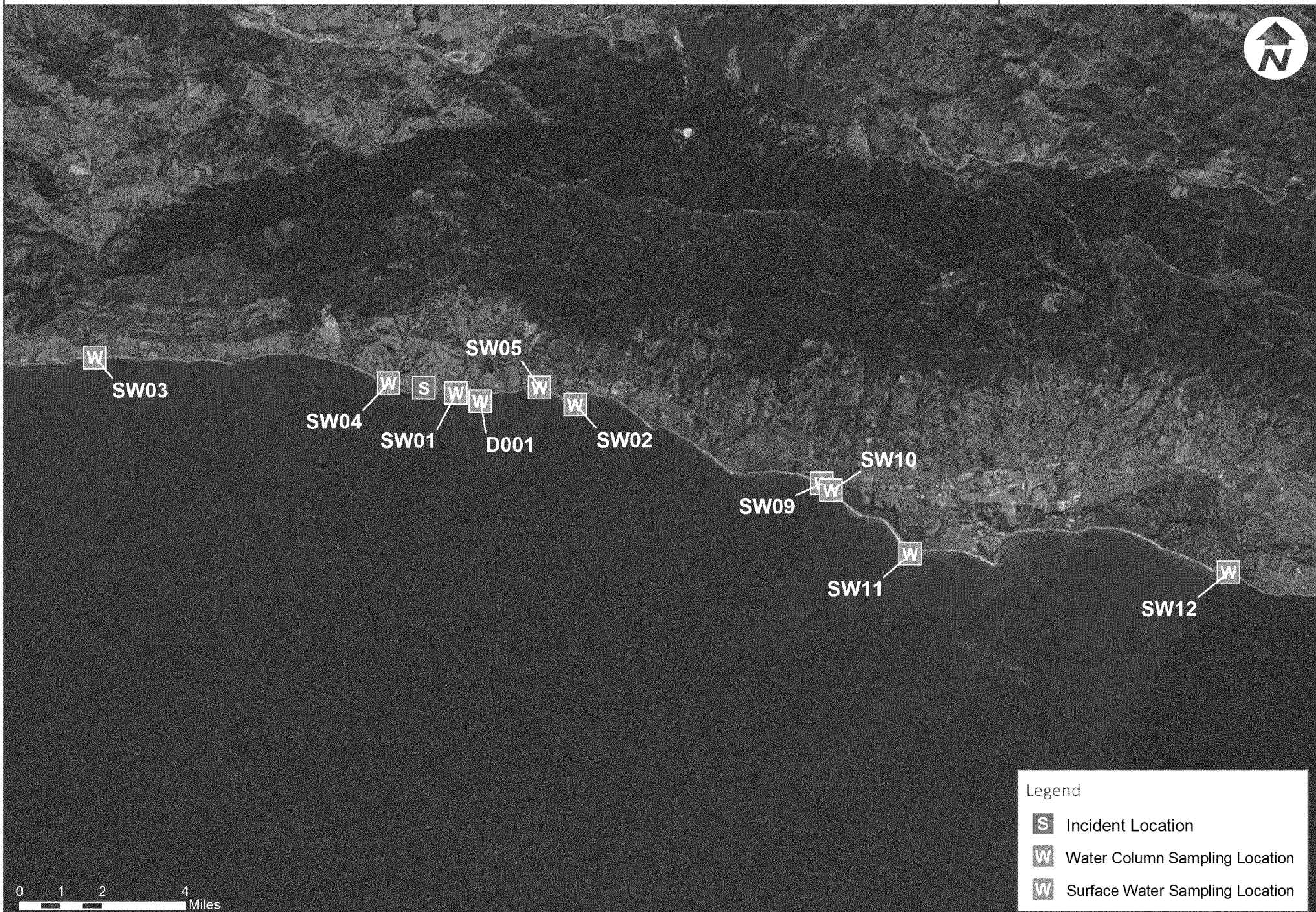
³ Ocean sediment samples were collected at the same location as the water column samples.

Table 2: TPH¹ Preliminary Data Summary⁴
05/20/2015– 05/26/2015

	Location	Highest Detection		Most Recent TPH Result Received	
		Date	TPH (mg/L)	Date	TPH (mg/L)
Water Column	D001-S	5/24/2015	0.065	5/25/2015	ND
	D001-M	5/22/2015	0.1	5/25/2015	ND
	D001-D	No Detections Observed		5/25/2015	ND
Surface Water	SW01	5/20/2015	3.7	5/25/2015	0.26
	SW02	5/21/2015	697	5/25/2015	0.42
	SW03	5/25/2015	0.34	5/25/2015	0.34
	SW04	5/21/2015	5.5	5/25/2015	ND
	SW05	5/25/2015	21.9	5/25/2015	21.9
	SW09	5/25/2015	1.2	5/25/2015	1.2
	SW10	5/21/2015	1.89	5/21/2015	1.89
	SW11	5/22/2015	1.96	5/25/2015	ND
	SW12	No Detections Observed		5/25/2015	ND

⁴ The data presented within the table is considered preliminary and has not completed the complete QA/QC process.

¹ For the purposes of this report, TPH represents a summation of TPH-Oil Range Organics (ORO), TPH-Diesel Range Organics (DRO), and TPH-Gasoline Range Organics (GRO).



0 1 2 4 Miles



Sediment/Sand Sampling Locations

Refugio Incident | May 20, 2015 to May 26, 2015

Project: 107292
Client: Plains All American Pipeline
City: Gaviota, CA
County: Santa Barbara



1. Incident Name Refugio Incident	2. Operational Period to be covered by IAP (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58	Operational Period Ops Period 8	CG IAP COVER SHEET
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3. Approved by

ORG	Name
USCG	Captain J. Williams
U.S. EPA	M. Rogow
CAL DFW	Mark Crossland
Plains	A. Shafer
SBCOEM	M. Dyer

INCIDENT ACTION PLAN

The items checked below are included in this Incident Action Plan:

- ☒ ICS 202-OS (Response Objectives)
- ☒ ICS 203-OS (Organization List) - or - ICS 207-OS (Organization Chart)
- ☒ ICS 204-CGs (Assignment Lists) One Copy each of any ICS 204-CG attachments
- ☒ ICS 205-CG (Communications Plan)
- ☒ ICS 206-CG (Medical Plan)
- ☐ ICS 208-CG (Site Safety Plan) or Note SSP Location Located at CP and Staging Areas
- ☒ Map/Chart
- ☒ Weather forecast/Tides/Currents

Other Attachments

Incident Picture



ORIGINAL

4. Prepared by

Dan Sobieski

Date / Time

05/28/2015 10:00

CG IAP COVER SHEET

05/27/2015 19:11

(Rev. 4/04)

1. Incident Name Refugio Incident	2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58	Operational Period Ops Period 8	INCIDENT BRIEFING ICS 202-CG
3. Objective(s) Ensure the safety of response personnel and the public. Continue to evaluate the oil impacts a. At release site b. Between pipe and beach c. Beach cleanup d. Evaluate SCAT Continue to prevent migration of oil from release site to shoreline Continue to recover discharged oil from impacted areas, both public and private, and manage waste according to plan. Continue to ID and protect environmentally sensitive areas Continue to protect culturally sensitive areas including wildlife. Keep public and stakeholders informed Minimize economic impacts Repair pipeline safely Provide for the recovery and care of oiled wildlife. Differentiate seep oil from incident oil 4. Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions) Limitations and Constraints Tides Access to beach Location Weather System Permitting with the county and other authorities Cultural Considerations Nesting season Hotel accommodations Protection of Critical Infrastructure All response related media releases require Unified Command approval Keep Unified Command aware of VIP request Immediately report any injuries, public or responders, to the Unified Command Priorities Safety Security - Maintain Situational Awareness Wildlife impacts - Notify Unified Command Discharge quantities Recovered quantities Beach open Source control Protect cultural resources Public information dissemination Establish and implement Cleanup End points - Environmental Unit Changes in impacted beaches require that Santa Barbara County Public Health, Dr. Wada, be notified. Ensure all operations are conducted in accordance with the approved plan. Keep the Unified Command informed of volunteer needs.			
INCIDENT OBJECTIVES			

Keep the Unified Command informed on onshore cleanup activities and document the same with a visual (map).

Report archeological concerns to the Unified Command.

Approved Site Safety Plan Located at the SBCOEM with the Safety Officer

Prepared by (Operations Section Chief)

sbrowne

JMS

Date/Time

05/27/2015 11:29

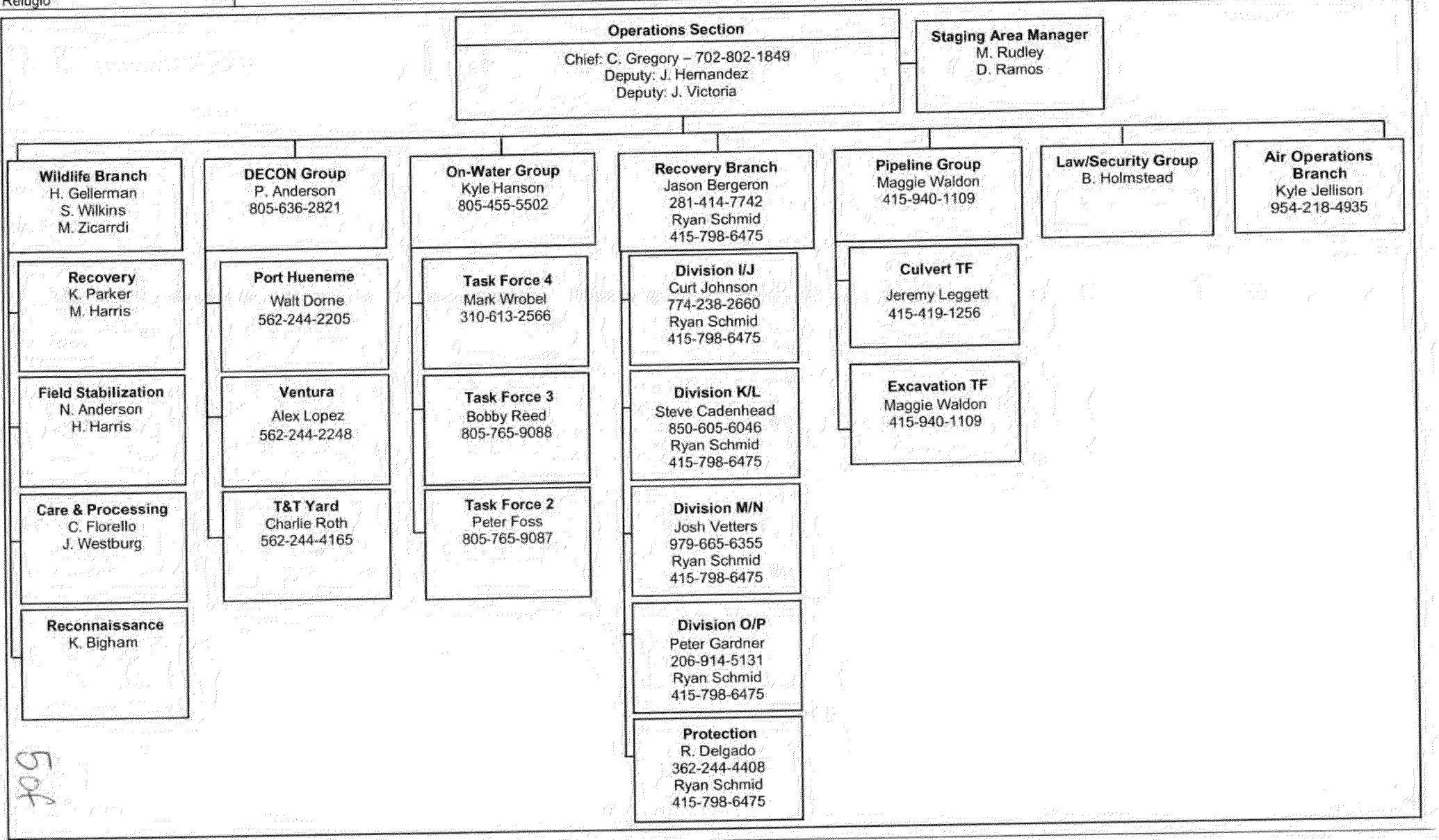
INCIDENT OBJECTIVES

05/27/2015 18:51

ICS 202-CG (Rev 4/04)

1. Incident Name Refugio	2. Operational Period (Date/Time) From: 5/28/2015 06:00 To: 5/29/2015 06:00	INCIDENT ORGANIZATION CHART ICS 207-CG
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%; border: 1px solid black; padding: 5px;"> SB OEM: R. Rockabrand 805-330-5080 D. Patterson 805-696-1191 M. Dyer 805-681-5526 E. Arndt 805-681-5524 </div> <div style="width: 35%; border: 1px solid black; padding: 5px;"> INCIDENT COMMAND FOSC: USCG, Capt. J. Williams 310-707-7381 FOSC: US EPA, M. Rogow SOSC: CDFW, Mark Crossland 805-550-2729 LOSC: SB OEM, R. Troy 805-681-5524 RPIC: Ryan Crider 307-259-1289 DRPIC: Tom Haug 562-217-3511 </div> <div style="width: 30%; border: 1px solid black; padding: 5px;"> INFORMATION OFFICER Nahal Mogharabik 213-514-4361 SAFETY OFFICER Randy Fordham 661-332-9164 LIAISON OFFICER P. Hodgins 281-467-3658 G. Gregory 714-642-3496 SECURITY OFFICER Tony Puckett 713-386-3298 TECHNICAL SPECIALIST US DOT, Ed Murphy 202-734-9122 </div> </div>		
<div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="border: 1px solid black; padding: 5px; width: 25%;"> INVESTIGATORS </div> <div style="border: 1px solid black; padding: 5px; width: 25%;"> OSPR. J. Victoria 310-413-6533 </div> <div style="border: 1px solid black; padding: 5px; width: 25%;"> AGENCY REPS. J. Stout 206-321-3320 </div> </div>		
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 23%; border: 1px solid black; padding: 5px;"> PLANNING SECTION CHIEF Dan Sobleski 714-342-6358 B. Geraghty (D) 562-217-0791 J. Lemon (D) 509-430-7935 </div> <div style="width: 23%; border: 1px solid black; padding: 5px;"> OPERATIONS SECTION CHIEF C. Gregory 702-802-1849 J. Hernandez (D) 310-592-3671 J. Victoria (D) 310-413-6533 </div> <div style="width: 23%; border: 1px solid black; padding: 5px;"> LOGISTICS SECTION CHIEF Rory Dabney 503-467-6224 Jeff Fridlund (D) 805-657-6764 <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Supply Unit Leader Karen Marvin 562-756-2575 <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Supply Unit Ashley Saavedra 510-260-9092 Keith Turner 562-216-3281 </div> </div> </div> <div style="width: 23%; border: 1px solid black; padding: 5px;"> FINANCE SECTION CHIEF Brian Bryd 601-467-5266 </div> </div>		

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1. Incident Name Refugio	2. Operational Period (Date/Time) From: 5/28/2015 06:00 To: 5/29/2015 06:00	INCIDENT ORGANIZATION <div style="text-align: right;">CHART ICS 207-CG</div>
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PLANNING SECTION

Planning Section Chief - Dan Sobieski – 714-342-6358
Deputy – B. Geraghty – 562-217-0791
Deputy – J. Lemon (D) 509-430-7935

Field Observers Jim Smith 251-644-1785	Situation Unit Tom Marcoux 562-453-6117
Display Processors Pedro Martins 55 21 9 8398-6939	Resource Unit Mike Nosbaum 707-601-6892
Documentation Unit S. Christensen 541-999-0156	Technical Specialists Marushka Pina Lon Gustafson
Demobilization Unit B. Geraghty 562-217-0791	Environmental Unit M. Schommer – 707-416-1141 W. Bryant – 404-630-2123

Scientific Support Jordan Stout 206-321-3320	Permits Sec. 7 REPS Jeff Phillips 415-652-6502	NRDA Liaison Jeff Phillips 415-652-6502	Sampling Specialist Kyle Lawrence 501-366-2698	Fishery Closure Tech. Ella Faurot-Daniels 831-233-0723	Historical/Cultural Tech. Mike Horn 760-964-2312
Resources at Risk Specialist Mike Connel 805-3311867	Waste Coordinator Ruth Ha 562-221-3937	SCAT Coordinator Craig Haffner 707-718-6948			
Waste Disposal Matt Graves Tori Gibbons Steve Osterlund					
Division I Jennifer Gold 805-450-8695	Division J/K Steve Foss 916-416-8908	Division L Steve Gibson 562-598-2849	Division M Sonia Torres 562-370-6794	Division N Ken Wilson 805-558-1006	

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch Wildlife Branch		4. Division/Group/Staging Wildlife Recovery Group			
Task Force/Strike Team		Team			
5. Operational Personnel	Name	Affiliation	Contact#(s)		
Operations Section Chief	Chris Gregory	Witt O'Brien's	702-802-1849		
Branch Director	Kathleen Jennings	CDFW	707-372-0103		
Division/Group Supervisor/STAM	K. Parker & M. Harris	OWCN	415-517-5514		
6. Resources Assigned		'X' indicates 204a attachment with additional instructions			
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Contact#	# Of Persons	Notes	
6	Transport Staff		0		
31 (each)	Wildlife Recovery Personnel - Recovery Staff - Refugio Beach		0		
1 (each)	Van - Sprinter Van/Wildlife Recovery Command Post - Refugio Beach		0		
14 (each)	Pickup Truck - Wildlife Recovery Vehicles		0		
7. Work Assignments					
Wildlife Recovery Group Supervisor: coordinate and supervise recovery of oiled wildlife and report to Wildlife Branch Director. Wildlife Recovery Staff: conduct searches of assigned divisions for oiled wildlife, and collect using standard protocols. Transport Coordinator: coordinate and supervise transport teams for assigned areas. Transport Staff: transport wildlife to stabilization trailer at wildlife staging area and/or from stabilization trailer to facility.					
8. Special Instructions					
Attend morning safety and planning briefing. Immediately report any injury to supervisor and complete an injury report form. *Personnel must have completed 24-hour HAZWOPER training and OWCN Wildlife Recovery Levels 1 and 2, at minimum. -Avoid Slips, trips and falls					
Instructions for Dead Wildlife and Natural Resource Protection.					
Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.					
Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.					
It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.					
Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.					
SAFETY MESSAGE					
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.					
HISTORICAL/CULTURAL GUIDELINES					
<ul style="list-style-type: none"> • Leave cultural materials in place at the site of discovery, and mark its location. • Stop clean-up work in the vicinity surrounding the site, within a 6ft radius. • Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude. 					
10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobieski	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 20:49		ICS 204-CG (Rev.10/07)	

Animal carcasses that have orange flagging indicates that no further action is needed. These flagged animals ~~has~~ already been assessed and reported

[illegible]

Medical: _____ Evacuation: _____ Other: _____

ASSIGNMENT LIST 05/27/2015 20:49 ICS 204-CG (Rev.10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ATTACHMENT ICS 204a
3. Branch Wildlife Branch		4. Division/Group/Staging Wildlife Recovery Group			
5. Strike Team/Task Force/Resource(Identifier)		6. Leader		7. Assignment Location	
Team		Team Leader			
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment WILDLIFE RECOVERY GROUP MINIMIZATION MEASURES					
<p>Habitat-specific Measures These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.</p> <p>Marine</p> <ul style="list-style-type: none"> • Avoid entering kelp beds as much as possible. • Avoid boat traffic traveling near or through flocks of seabirds resting in the water. • Have a wildlife monitor present on all boats. • No spill response activities should take place within 1,000 feet of nesting seabirds. • If a sea otter is observed, keep all response activities as far away from the animal(s) as possible until an expert can be consulted. <p>Riparian</p> <ul style="list-style-type: none"> • Avoid entering wetted areas as much as possible. • Avoid disturbing vegetation as much as possible. • The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission. • During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible. • Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place. • Response activities should avoid or minimize changes in channel morphology. • No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval. • Any listed plant species should be flagged and avoided. • For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures. <p>Sandy Beach/Dune</p> <ul style="list-style-type: none"> • Avoid entering vegetated dune habitat as much as possible. • If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack. • Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour). • Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location. • Manual oil removal techniques should be used as much as possible. • All trash or anything that would attract wildlife to the work area should be removed on a daily basis. • Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species. • For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures. <p>Estuarine</p> <ul style="list-style-type: none"> • Avoid entering wetted habitat as much as possible. • Avoid disturbing vegetation as much as possible. • Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location. • A biologist should be present throughout the duration of the cleanup activities. • Any listed plant species should be flagged and avoided. • A biologist should look for nests and establish suitable buffer areas to prevent impacts. • For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures. <p>Coastal Bluff</p> <ul style="list-style-type: none"> • Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location. • Previously-disturbed areas should be used for equipment staging and vehicle parking to the maximum extent practical. • Any listed plant species should be flagged and avoided. <p>Species-specific Measures These measures are specifically targeted to minimize impacts to listed species during initial response. USFWS should be contacted immediately to provide incident-specific measures to best protect these species.</p> <p>Tidewater goby</p> <ul style="list-style-type: none"> • Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs. • If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies. 					
10. Prepared By Steve Browne	Date/Time 05/27/2015 14:00	11. Reviewed By (PSC) D. Sobieski	Date / Time 05/27/2015 17:00	12. Reviewed By (OSC) Chris Gregory	Date / Time 05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 20:49		ICS 204-CG (Rev.10/07)	

- Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work.
- Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site.
- If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days.
- Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening.
- Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about the tidewater goby avoidance/ minimization measures to be implemented during the response.

Least Bell's vireos and/or southwestern willow flycatchers

- Disturbance of riparian vegetation should be avoided as much as possible.
- A qualified biologist should conduct surveys within suitable habitat for least Bell's vireos and southwestern willow flycatchers during the nesting season (March 1 – September 15) prior to disturbance of riparian vegetation to identify and establish exclusion buffers around any nests (generally at least 500 feet).
- Manual equipment should be used in occupied habitat as much as possible to minimize disturbance from noise.
- If vegetation removal is required, roots should be left in place as much as possible.
- A qualified biologist should be present as much as possible during activities that impact suitable habitat.

California least tern and/or Western snowy plover

- All responders should be informed of the potential for western snowy plovers and/or California least terns to be impacted and of the avoidance/minimization measures being implemented.
- A qualified biologist should identify areas that may contain nests or chicks, and any entry into these areas should be avoided.
- Any work required within nesting areas should be accompanied by a qualified biologist.
- A qualified biologist should identify and demarcate access and egress routes.
- The number of vehicles and number of vehicle trips should be reduced to the minimum needed to achieve the mission.
- All activities near nests or chicks should occur on the lower beach (wet sand), if possible.
- Watch for and avoid western snowy plovers sheltering in tire tracks and sandy depressions.
- If vehicles are used, speed should be kept to less than 10 mph, and vehicles should remain on the lower beach (wet sand), if possible. If it is not possible to remain on the lower beach (e.g., it is high tide), responders should stop every 100 m and scan ahead with binoculars to look for western snowy plovers and California least terns on the beach.
- The amount of wrack, shells, and natural debris removed from the beach should be minimized. If shoreline pre-cleaning is necessary, debris should be stockpiled in an appropriate location (avoiding nesting locations) and returned to the beach after the threat of oil is gone, to the extent practical.

California red-legged frog

- A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
- All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
- Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
- After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
- After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
- Open excavations and trenches should be covered each night to prevent entrapment of frogs.
- If vegetation removal is necessary, roots should remain in place as much as possible.

9. Communications (radio and/or phone contact numbers needed for this assignment)

<input type="checkbox"/> Map/ Chart	<input type="checkbox"/> Weather Forecast/Tides/Currents	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobieski	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 20:49	ICS 204-CG (Rev. 10/07)	

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch Wildlife Branch		4. Division/Group/Staging Field Stabilization Group			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	Witt O'Brien's	702-802-1849	
Branch Director		Kathlenn Jennings	CDFW	707-372-0103	
Division/Group Supervisor/STAM		Nancy Anderson & Heather Harris	OWCN	530-771-7028	
6. Resources Assigned 'X' indicates 204a attachment with additional instructions					
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Contact#	# Of Persons	Notes	
5 (each)	Field Stabilization Staff		0		
3 (each)	Field Stabilization Volunteers		0		
1 (each)	Response Trailer - Wildlife Field Stabilization Trailer - Refugio Beach				
7. Work Assignments					
Establish field stabilization site(s) near to wildlife recovery operational areas. Complete appropriate census documents, perform brief examinations, and provide initial "first aid" (e.g., warmth, hydration, nutrition) to animals collected by Recovery Group. If veterinarian is present, triage animals for prioritized care. Group Supervisor and Strike Team leaders: complete daily activity reports for submission to the Wildlife Branch Director.					
8. Special Instructions					
Stabilization site established at Santa Barbara Wildlife Care Network (1460 N Fairview Ave, Goleta, CA 93117, 805-681-1080). All Personnel are reminded to stay hydrated and take breaks as necessary.					
Ensure morning safety and planning briefing meetings occur following IAP. Submit projected personnel requirements for next operational period to immediate supervisor by 1400. Train / supervise assigned staff and volunteers, and report any concerns or conflicts to the appropriate supervisor or volunteer coordinator(s). Immediately report any injury to supervisor and complete an injury report form. *Personnel must have completed 24-hr HAZWOPER training if assigned in an exclusion zone; 4-hr HAZCOM training if assigned outside an exclusion zone. All personnel shall wear PPE in accordance with the Site Safety Plan.					
SAFETY MESSAGE					
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.					
HISTORICAL/CULTURAL GUIDELINES					
<ul style="list-style-type: none"> • Leave cultural materials in place at the site of discovery, and mark its location. • Stop clean-up work in the vicinity surrounding the site, within a 6ft radius. • Immediately inform the field supervisor, who in turn, should immediately inform the FOISC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude. 					
Report All Injuries require a immediate notification to Direct Supervisor.					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Name/Function	Radio Freq./System/Channel		Phone	Cell/Pager	
Emergency Communications					
Medical:		Evacuation:		Other:	
10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobieski	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 20:46		ICS 204-CG (Rev.10/07)	

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ATTACHMENT ICS 204a
3. Branch Wildlife Branch		4. Division/Group/Staging Field Stabilization Group			
5. Strike Team/Task Force/Resource(Identifier)		6. Leader		7. Assignment Location	
Team		Team Leader			
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
<input type="checkbox"/> Map/ Chart		<input type="checkbox"/> Weather Forecast/Tides/Currents		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
10. Prepared By Steve Browne	Date/Time 05/27/2015 14:00	11. Reviewed By (PSC) D. Sobieski	Date / Time 05/27/2015 17:00	12. Reviewed By (OSC) Chris Gregory	Date / Time 05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 20:46		ICS 204-CG (Rev.10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch Wildlife Branch		4. Division/Group/Staging Wildlife Care and Processing Group			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	Witt O'Brien's	702-802-1849	
Branch Director		Kathlenn Jennings	CDFW	707-372-0103	
Division/Group Supervisor/STAM		Christine Fiorello & Jody Westberg	OWCN		
6. Resources Assigned		'X' indicates 204a attachment with additional instructions			
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
12 (each)	Care Volunteers			0	
2 (each)	Wildlife Primary Care Facility - Los Angeles Oiled Bird & Education Center & Sea World, San Diego - Pinnipeds				
8 (each)	Vehicles			0	Wildlife and Processing vehicles
23 (each)	Wildlife Care and Processing Staff			0	
2 (each)	Vol. Coordinators			0	
1 (each)	Facility Coordinator			0	
1 (each)	Logistics Coordinator			0	
7. Work Assignments					
Establish primary care facilit(ies) to provide processing, intake, pre-wash care, cleaning, and pre-release conditioning to affected animals. Complete appropriate log or census documents, perform intake examinations and triage animals for prioritized care. Collect and secure appropriate evidentiary samples, provide rehabilitation care and maintain individual medical records for contaminated wildlife. Strike Team leaders and coordinators: complete daily activity reports for submission to the C&P Group supervisor.					
8. Special Instructions					
<p>Bird rehabilitation will occur at the Los Angeles Oiled Bird and Education Center (3601 South Gaffey Street San Pedro, CA 90731). Pinniped rehabilitation will occur at SeaWorld San Diego (500 Sea World Dr, San Diego, CA 92109). All staff will: 1) Attend morning safety and planning briefing. 2) Submit projected personnel requirements for next operational period to immediate supervisor by 1400. 3) Train / supervise assigned volunteers, and report any concerns or conflicts to the volunteer coordinator(s). 4) Immediately report any injury to supervisor and complete an injury report form.</p> <p>*Personnel must have completed HAZCOM training.</p> <p>All Personnel shall wear PPE in accordance with the Site Safety Plan</p> <p>Instructions for Dead Wildlife and Natural Resource Protection</p> <p>Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.</p> <p>Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.</p> <p>It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.</p> <p>Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.</p>					
SAFETY MESSAGE					
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.					
HISTORICAL/CULTURAL GUIDELINES					
10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobleski	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 20:46		ICS 204-CG (Rev.10/07)	

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All injuries require a immediate notification to Direct Supervisor.

Animal carcasses that have orange flagging indicates that no further action is needed. These flagged animals hae already been assessed and reported

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager

Emergency Communications

Medical:	Evacuation:	Other:
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10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobieski	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 20:46	ICS 204-CG (Rev. 10/07)	

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ATTACHMENT ICS 204a
3. Branch Wildlife Branch		4. Division/Group/Staging Wildlife Care and Processing Group			
5. Strike Team/Task Force/Resource(Identifier)		6. Leader		7. Assignment Location	
Team		Team Leader			
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment WILDLIFE CARE AND PROCESSING GROUP MINIMIZATION MEASURES Do not operate ATVs within 1000 feet of the fence line of Coal Oil Point Reserve. Responders may not work in the area without a qualified snowy plover monitor.					
9. Communications (radio and/or phone contact numbers needed for this assignment) <input type="checkbox"/> Map/ Chart <input type="checkbox"/> Weather Forecast/Tides/Currents <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
10. Prepared By Steve Browne		Date/Time 05/27/2015 14:00	11. Reviewed By (PSC) D. Sobieski <i>DS</i>	Date / Time 05/27/2015 17:00	12. Reviewed By (OSC) Chris Gregory
ASSIGNMENT LIST		05/27/2015 20:46		ICS 204-CG (Rev.10/07)	

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch Wildlife Branch		4. Division/Group/Staging Wildlife Reconnaissance			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	Witt O'Brien's	702-802-1849	
Branch Director		Kathleen Jennings	CDFW	707-372-0103	
Division/Group Supervisor/STAM					
6. Resources Assigned				X indicates 204a attachment with additional instructions	
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
4 (each)	Wildlife Personnel			4	
1 (each)	Fixed Wing Aircraft			0	
7. Work Assignments					
Survey impacted area for wildlife to species level. Conduct Sea Otter specific survey.					
Communication with other aircraft on VHF 10, 11 & 16					
8. Special Instructions					
--Beware of foot placement --Eyes on Path					
Instructions for Dead Wildlife and Natural Resource Protection.					
Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.					
Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.					
It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.					
Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.					
SAFETY MESSAGE					
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.					
HISTORICAL/CULTURAL GUIDELINES					
<ul style="list-style-type: none"> • Leave cultural materials in place at the site of discovery, and mark its location. • Stop clean-up work in the vicinity surrounding the site, within a 6ft radius. • Immediately inform the field supervisor, who in turn, should immediately inform the FOISC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude. 					
Report All Injuries require a immediate notification to Direct Supervisor.					
Animal carcasses that have orange flagging indicates that no further action is needed. These flagged animals have already been assessed and reported					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Name/Function	Radio Freq./System/Channel		Phone	Cell/Pager	
10. Prepared By		Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)
Steve Browne		05/27/2015 14:00	D. Sobieski	05/27/2015 17:00	Chris Gregory
ASSIGNMENT LIST		05/27/2015 20:48			ICS 204-CG (Rev.10/07)

Emergency Communications

Medical:

Evacuation:

Other:

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobieski <i>DS</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00

ASSIGNMENT LIST

05/27/2015 20:48

ICS 204-CG (Rev. 10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ATTACHMENT ICS 204a
3. Branch Wildlife Branch		4. Division/Group/Staging Wildlife Reconnaissance			
5. Strike Team/Task Force/Resource(Identifier)		6. Leader		7. Assignment Location	
Team		Team Leader			
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
<input type="checkbox"/> Map/ Chart		<input type="checkbox"/> Weather Forecast/Tides/Currents		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
<div style="height: 400px; border: 1px solid black;"></div>					
10. Prepared By Steve Browne		Date/Time 05/27/2015 14:00	11. Reviewed By (PSC) D. Sobieski <i>DMS</i>	Date / Time 05/27/2015 17:00	12. Reviewed By (OSC) Chris Gregory
					Date / Time 05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 20:48		ICS 204-CG (Rev.10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch		4. Division/Group/Staging Decon Group			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	Witt O'Brien's	702-802-1849	
Branch Director					
Division/Group Supervisor/STAM		P. Anderson	USCG	805-636-2821	
6. Resources Assigned		'X' indicates 204a attachment with additional instructions			
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Contact#	# Of Persons	Notes	
40	Decon Personnel		0	Ventura Harbor	
30 (each)	Decon Personnel		0	T & T Yard Ventura	
2 (each)	Portable Generators - 85kw generators - T&T Yard		0		
1 (each)	Office Trailer - 8' x 16' mobil office trailer - Ventura Harbor		0		
1 (each)	Office Trailer - 12' x 38' mobil office trailer - T&T Yard		0		
1 (each)	Decon Pool		0		
2 (each)	Vac Truck		0		
1 (each)	Roll Off Truck		0		
6	Gear Trucks		0		
6	Pick-up Trucks		0		
1 (each)	Wench Truck		0		
5 (each)	Vans		0	Includes box vans	
1	Water Truck		0		
2 (each)	Response Personnel - Staff members to support decon @ Ventura & T&T		0		
6 (each)	Frac Tanks		0		
1 (each)	Equipment Trailer - 53' Box Van Trailer - T&T Yard		0		
7. Work Assignments					
Port Hueneme - Gross decon of Primary Vessel, Remove Equipment					
Ventura Harbor - Haul out and final decon of vessels. (24hr operation)					
T & T Yard Ventura- Final cleaning of gear and ancillary equipment. (24 hr operation)					
Provided necessary personnel equipment and materials to complete decon in accordance with the decon plan approved by the Unified Command.					
8. Special Instructions					
Volunteers: 1-800-228-4544 Claims: 866-753-3619 Public Affairs/JIC: 805-696-1188 State Park Law Enforcement: 951-443-2969 Sherriff's Dispatch: 805-692-5743					
Instructions for Dead Wildlife and Natural Resource Protection:					
Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.					
10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobieski <i>ms</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 18:53		ICS 204-CG (Rev.10/07)	

Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.

It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.

Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.

On Water: Avoid entering kelp beds as much as possible. Avoid boat traffic traveling near or through flocks of seabirds resting on water, stay 1000 ft away from nesting seabirds. If sea otter is observed keep clear and call Mike Harris immediately. 831-212-7090

SAFETY MESSAGE

All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

HISTORICAL/CULTURAL GUIDELINES

Leave cultural materials in place at the site of discovery, and mark its location.

- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

HAZARD MITIGATION

All personnel operating in a restricted area shall wear appropriate PPE (Minimum of Tychem, face shield, neoprene gloves and rubber boots are required for workers performing pressure wash ops).

Respiratory protection may be required to be used by all personnel base on continous air monitoring readings.

All personnel are reminded to stay hydrated and to take breaks as needed.

Notify Assistant Safety Officer if safety issues arise.

Workers should be cautious of slick surfaces and pressurized lines that may be present during decon ops.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
Alex Lopez - Ventura Harbor		562-244-2248	
Walt Dorne - Port Hueneme		562-244-2205	
Charlie Roth - T&T Yard Ventura		562-244-4165	

Emergency Communications

Medical: **Evacuation:** **Other:**

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobieski	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00

ASSIGNMENT LIST 05/27/2015 18:53 ICS 204-CG (Rev.10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch		4. Division/Group/Staging On-Water Group			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	Witt O'Briens	702-802-1849	
Branch Director					
Division/Group Supervisor/STAM		Kyle Hanson	Clean Seas	805-455-5502	
6. Resources Assigned 'X' indicates 204a attachment with additional instructions					
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	Task Force #3 (Ocean Sentinel)	Bobby Reed	805-765-9088	13	TF 3: F/V Bonny Marietta, F/V Nicky J, W/B Oregon, W/B Comet X
1 (each)	Task Force #4 (DB San Diego, Tug Tilliet)	Bob Allen	619-981-2480	14	OSV John Henry, Theory, Raven, W/B DB San Diego & A.N. Tilliet, LCV Christopher G X
1 (each)	Strike Team #1	Kyle Hanson	805-455-5502	0	M/V Timber Wolf, M/V Scaulpin X
1 (each)	Strike Team #2	Kyle Hanson	805-455-5502	0	M/V V368, M/V Victoria X
7. Work Assignments					
Task Force #3 - Contain and recover free floating oil. Surveillance Helo (Air control #1) to direct offshore booming and recovery operation in a South to North configuration. -Helo #1 will direct skimming operations in the nearshore areas to minimize oil impacting the shoreline. -Task Force and Helo command and control will maximize oil encounter utilizing boom tow vessels. All boom boats secured at 2000 to Ventura. -Vessel will recover available free floating oil.					
Task Force #4 Pull 600 feet of ocean boom in "U" configuration to collect free floating oil. Offshore barge to anchor and provide fuel, food, and mooring. Provide maintenance and logistics for all on water assets.					
8. Special Instructions					
PPE: Tyvek Suits, gloves, safety goggles, hard hats, and neoprene boots to the work in containment areas. PFDs are required when working on the vessels. -Site Safety Plan will be distributed via Ocean Sentinel on-scene. Offshore Response Team Member Report any distressed Wildlife to On-Water Group Leader Kyle Hanson @ 805-455-5502. Skimming vessels to off-load recovered product to the OCEAN KEEPER. -Helo to direct boom tows to maximize encounter rates for skimmers (TF#2 OCEAN DEFENDER / TF#3 OCEAN SENTINEL) -Direct all media inquiries to the PIO. -Use of unauthorized Social Media is strictly prohibited. During this operational period the Operational Section Chief may direct certain Vessels be removed from deployment for the purpose of decontamination and eventual demob Instructions for Dead Wildlife and Natural Resource Protection. Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hot Line at 877-823-6726 Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up. It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high					
10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:22	Dan Sobieski	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 20:59		ICS 204-CG (Rev.10/07)	

tide to ID and catalogue the spill related mortality.

Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.

On Water: Avoid entering kelp beds as much as possible. Avoid boat traffic traveling near or through flocks of seabirds resting on water, stay 1000 ft away from nesting seabirds. If sea otter is observed keep clear and call Mike Harris immediately. 831-212-7090

SAFETY MESSAGE

All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq /System/Channel	Phone	Cell/Pager
All TFs	Marine VHF Channel 10 and 16		
Emergency Communications			
Medical:	Evacuation:	Other:	

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:22	Dan Sobieski <i>gmc</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00

ASSIGNMENT LIST 05/27/2015 20:59 ICS 204-CG (Rev.10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ATTACHMENT ICS 204a
3. Branch			4. Division/Group/Staging On-Water Group		
5. Strike Team/Task Force/Resource(Identifier)			6. Leader	7. Assignment Location	
Team			Team Leader		
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment Habitat-specific Measures These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present. Marine <ul style="list-style-type: none"> • Avoid entering kelp beds as much as possible. • Avoid boat traffic traveling near or through flocks of seabirds resting in the water. • Have a wildlife monitor present on all boats. • No spill response activities should take place within 1,000 feet of nesting seabirds. • If a sea otter is observed, keep all response activities as far away from the animal(s) as possible until an expert can be consulted. 					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
<input type="checkbox"/> Map/ Chart		<input type="checkbox"/> Weather Forecast/Tides/Currents		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
10. Prepared By Steve Browne Date/Time 05/27/2015 14:22 11. Reviewed By (PSC) Dan Sobieski Date / Time 05/27/2015 17:00 12. Reviewed By (OSC) Chris Gregory Date / Time 05/27/2015 17:00					
ASSIGNMENT LIST			05/27/2015 20:59		ICS 204-CG (Rev.10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch Recovery Branch		4. Division/Group/Staging Division I/J			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	Witt O'Briens	702-802-1849	
Branch Director		Jason Bergeron	Witt O'Briens	281-414-7742	
Division/Group Supervisor/STAM		Curt Johnson	Witt O'Briens	774-238-2660	
6. Resources Assigned		'X' indicates 204a attachment with additional instructions			
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	Double Barrel Team 1	Terrence Woods	424-344-0060	50	Tajigas
1 (each)	West Coast Environmental Team 1	Pete Esparza	462-244-1190	10	Red Barn
1 (each)	OMI Team 1	David McCoy	409-350-0274	50	Refugio South
1 (each)	OMI Team 2	Kevin Jones	337-962-4329	28	Refugio South
1 (each)	OMI Team 3	Pilar Sarabia	561-379-2830	36	Refugio North
1 (each)	OC Vacuum	Reggie Estrada		25	Refugio North
1 (each)	OMI Team 4	Keith Long	985-637-6066	11	141100 Quemato Lane
1 (each)	NRC Team 2			8	The Bluff
7. Work Assignments					
<p>Conduct shoreline clean-up as directed as per SCAT Methodology.</p> <p>When beaches have been cleaned to Phase 1 criteria, written confirmation is required by SCAT on their POM form.</p> <p>Double Barrel Team 1 - Tajigas OC Vacuum - Refugio North West Coast Environmental Team 1 - Red Barn OMI Team 1 - Refugio South OMI Team 2 - Refugio South OMI Team 3 - Refugio North OMI Team 4 - 141100 Quemado Lane NRC Team 2 - The Bluff</p>					
8. Special Instructions					
<p>All personnel are reminded to keep hydrated and take rest breaks as necessary. PPE: Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways if possible PFD's must be worn if the potential for drowning exists.</p> <p>Instructions for Dead Wildlife and Natural Resource Protection.</p> <p>Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.</p> <p>Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.</p> <p>It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.</p> <p>Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.</p>					
10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:22	Dan Sobieski	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 20:44		ICS 204-CG (Rev.10/07)	

SAFETY MESSAGE

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HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
Emergency Communications			
Medical:	Evacuation:	Other:	

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:22	Dan Sobieski <i>DS</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00

ASSIGNMENT LIST

05/27/2015 20:44

ICS 204-CG (Rev.10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ATTACHMENT ICS 204a
3. Branch Recovery Branch		4. Division/Group/Staging Division I/J			
5. Strike Team/Task Force/Resource(Identifier)		6. Leader		7. Assignment Location	
Team		Team Leader			
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment					
DIVISION I/J MINIMIZATION MEASURES					
<p>Habitat-specific Measures These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.</p> <p>Riparian</p> <ul style="list-style-type: none"> • Avoid entering wetted areas as much as possible. • Avoid disturbing vegetation as much as possible. • The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission. • During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible. • Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place. • Response activities should avoid or minimize changes in channel morphology. • No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval. • Any listed plant species should be flagged and avoided. • For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures. <p>Sandy Beach/Dune</p> <ul style="list-style-type: none"> • Avoid entering vegetated dune habitat as much as possible. • If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack. • Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour). • Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location. • Manual oil removal techniques should be used as much as possible. • All trash or anything that would attract wildlife to the work area should be removed on a daily basis. • Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species. • For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures. <p>Estuarine</p> <ul style="list-style-type: none"> • Avoid entering wetted habitat as much as possible. • Avoid disturbing vegetation as much as possible. • Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location. • A biologist should be present throughout the duration of the cleanup activities. • Any listed plant species should be flagged and avoided. • A biologist should look for nests and establish suitable buffer areas to prevent impacts. • For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures. <p>Species-specific Measures These measures are specifically targeted to minimize impacts to listed species during initial response; USFWS should be contacted immediately to provide incident-specific measures to best protect these species.</p> <p>Tidewater goby</p> <ul style="list-style-type: none"> • Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs. • If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies. • Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work. • Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site. • If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days. • Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening. • Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about 					
10. Prepared By Steve Browne	Date/Time 05/27/2015 14:22	11. Reviewed By (PSC) Dan Sobieski	Date / Time 05/27/2015 17:00	12. Reviewed By (OSC) Chris Gregory	Date / Time 05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 20:45		ICS 204-CG (Rev.10/07)	

the tidewater goby avoidance/ minimization measures to be implemented during the response.

California red-legged frog

- A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
 - All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
 - Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
 - After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
 - After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
 - Open excavations and trenches should be covered each night to prevent entrapment of frogs.
 - If vegetation removal is necessary, roots should remain in place as much as possible.
- Least Bell's vireos and/or southwestern willow flycatchers**
- Disturbance of riparian vegetation should be avoided as much as possible.
 - A qualified biologist should conduct surveys within suitable habitat for least Bell's vireos and southwestern willow flycatchers during the nesting season (March 1 – September 15) prior to disturbance of riparian vegetation to identify and establish exclusion buffers around any nests (generally at least 500 feet).
 - Manual equipment should be used in occupied habitat as much as possible to minimize disturbance from noise.
 - If vegetation removal is required, roots should be left in place as much as possible.
 - A qualified biologist should be present as much as possible during activities that impact suitable habitat.

9. Communications (radio and/or phone contact numbers needed for this assignment)

- | | | |
|-------------------------------------|--|--------------------------|
| <input type="checkbox"/> Map/ Chart | <input type="checkbox"/> Weather Forecast/Tides/Currents | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:22	Dan Sobieski <i>DS</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 20:45	ICS 204-CG (Rev.10/07)	

~~Waste Tracking~~

Shoreline Treatment Recommendation Transmittal Form⁽¹⁾

Site Location: Re Sugar Beach State Park
Segment: Sh-3500 Length (m): 1100 Survey Date: 5/27/15
Shoreline Type: Beach Substrate: sand Coastal Character: erosion
rocky outcrop

Box 1 Oiled Area for Treatment (EU)

Starting 0.4 miles east of Sugar Beach State Park, turn
another 0.4 miles remove tar mats in upper intertidal.

Box 2 Treatment Recommendations (EU)

Scrape rocky outcrops.
Hand removal of tar mats.
Hand removal (10 shovels) of oil from rocky outcrops.

Box 3 Recommendations / Staging and/or Logistic Constraints / Waste Issues (OPS)

Access from Sugar Beach w/ATV,
10:00 landing draft

Box 4 Ecological Resource Comments

Keep boats out of kelp beds + off rocks.
Constraint:

Box 5 Cultural Resources Comments (HPS)

Continue with Native American monitoring. Spot
checking by archaeological monitors
Constraint:

Box 6 Safety Issues (EU/OPS/SSO)

All monitors needed, PPE

Attached: ☐ Segment Map ☐ Sketch Map ☐ SOS Form ☐ Fact Sheet ☒ Other picture

FINAL
APPROVALS:

KM Chavez
Environment Unit Lead

RP

Planning Section Chief

SOSC

Historic Property Specialist

FOSC

Prepared By:

Sonia Torres

Date Prepared: 5/27/15

To Ops

To HPS

To DNR

To SOS

To EUL

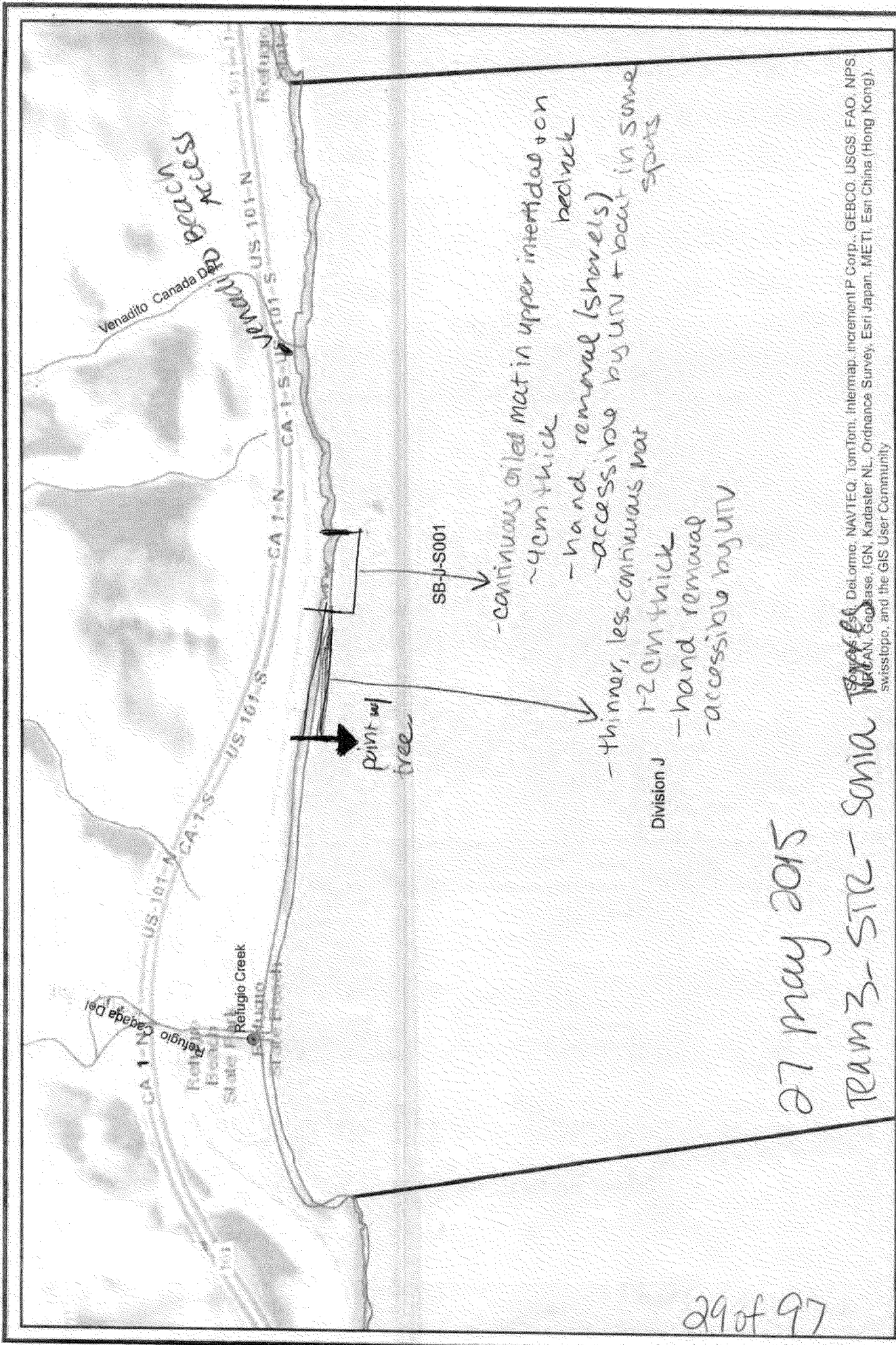
To PLN

To UC

Final Approval
to OPS

Final Approval
to EUL

1- Complete all Boxes and forward to appropriate party for comments / approval via tracking

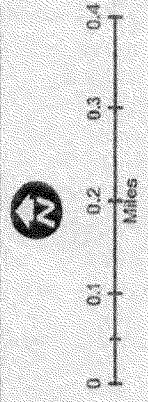


27 May 2015

TEAM 3 - STR - SNIA

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Refugio Incident Division J Segment SB-J-S001



Sources: Delorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,
 NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong),
 Swisstopo, and the GIS User Community

BRG: 311°NW POS: 34°27'40"N, 120°3'28"W ±5m ALT: 5.3m



3
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7
9
7

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch Recovery Branch		4. Division/Group/Staging Division K/L			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	Witt O'Briens	702-802-1849	
Branch Director		Jason Bergeron	Witt O'Briens	281-414-7742	
Division/Group Supervisor/STAM		Steve Cadenhdad	Witt O'Briens	850-605-6046	
6. Resources Assigned		X Indicates 204a attachment with additional instructions			
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	CRA Team 2	Kristin Bell	904-510-6700	41	Clean-up Techs with 6 NRC supervisors X
1 (each)	Ponder Team 1			75	Clean-up Techs with Ponder Supervisors X
1 (each)	CRA Team 3	Brad Sheldon	714-642-4045	21	Clean up Techs with 2 NRC supervisors X
1 (each)	Santa Barbara Fire Team	Darren Mafi	805-896-6352	24	Firefighters with supervisors X
1 (each)	CA Conservation Core Team			17	17 personnel including supervisors X
1 (each)	CRA Team 1	Nick Grecko	516-650-6842	25	X
1 (each)	Ponder Team 2			9	Tide Pools at El Capitan X
1 (each)	Double Barrel Team 2	Kevin Elms	661-341-7266	21	11000 Calle Real, Goleta CA X
1 (each)	NRC Team 1	Carlos Diaz	310-345-3185	49	Venadito
1 (each)	West Coast Environmental Team 2			25	Hot Shot Crew
7. Work Assignments					
<p>Conduct shoreline clean-up as directed per the SCAT Methodology. When beaches have been cleaned to Phase 1 criteria, written confirmation is required by SCAT on their POM form.</p> <p>Ponder Team 1 conduct operations at El Capitan Beach. Ponder Team 2 conduct operations at Tide Pools at El Capitan Beach. CRA Team 1 conduct operations at Las Flores. CRA Team 2 conduct operations at Las Flores. CRA Team 3 conduct operations at El Capitan Ranch. Double Barrel Team 2 conduct operations at 11000 Calle Real, Goleta CA. Santa Barbara Fire Team and CA Conservation Core Team conduct operations at Las Varas Ranch. West Coast Environmental Team 2 - Hot Shot Crew at El Capitan Staging</p>					
8. Special Instructions					
<p>All personnel are reminded to keep hydrated and take rest breaks as necessary. PPE: Tyvek suits, gloves, safety glass, neoprene boots. Type 5 PFDs are required when operating in or near water.</p> <p>Instructions for Dead Wildlife and Natural Resource Protection.</p> <p>Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.</p> <p>Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.</p> <p>It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.</p> <p>Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.</p>					
10. Prepared By		Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)
Steve Browne		05/27/2015 14:22	Dan Sobleski	05/27/2015 17:00	Chris Gregory
ASSIGNMENT LIST		05/27/2015 20:41			ICS 204-CG (Rev.10/07)

SAFETY MESSAGE

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HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq /System/Channel	Phone	Cell/Pager
Emergency Communications			
Medical:	Evacuation:	Other:	

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:22	Dan Sobieski <i>DHS</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00

ASSIGNMENT LIST	05/27/2015 20:41	ICS 204-CG (Rev.10/07)
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1. Incident Name Refugio Incident	2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58	Operational Period Ops Period 8	Assignment List ATTACHMENT ICS 204a
3. Branch Recovery Branch	4. Division/Group/Staging Division K/L		
5. Strike Team/Task Force/Resource(Identifier)	6. Leader	7. Assignment Location	
Team	Team Leader		
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment <p>Habitat-specific Measures These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.</p> <p>Riparian</p> <ul style="list-style-type: none"> • Avoid entering wetted areas as much as possible. • Avoid disturbing vegetation as much as possible. • The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission. • During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible. • Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place. • Response activities should avoid or minimize changes in channel morphology • No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval. • Any listed plant species should be flagged and avoided. • For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures. <p>Sandy Beach/Dune</p> <ul style="list-style-type: none"> • Avoid entering vegetated dune habitat as much as possible. • If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack. • Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour). • Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location. • Manual oil removal techniques should be used as much as possible. • All trash or anything that would attract wildlife to the work area should be removed on a daily basis. • Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species. • For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures. <p>Estuarine</p> <ul style="list-style-type: none"> • Avoid entering wetted habitat as much as possible. • Avoid disturbing vegetation as much as possible. • Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location. • A biologist should be present throughout the duration of the cleanup activities. • Any listed plant species should be flagged and avoided. • A biologist should look for nests and establish suitable buffer areas to prevent impacts • For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures. <p>Species-specific Measures These measures are specifically targeted to minimize impacts to listed species during initial response, USFWS should be contacted immediately to provide incident-specific measures to best protect these species.</p> <p>Tidewater goby</p> <ul style="list-style-type: none"> • Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs. • If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies. • Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work. • Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site. • If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days. • Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening. • Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about the tidewater goby avoidance/ minimization measures to be implemented during the response. 			
10. Prepared By Steve Browne	Date/Time 05/27/2015 14:22	11. Reviewed By (PSC) Dan Sobieski <i>DS</i>	Date / Time 05/27/2015 17:00
12. Reviewed By (OSC) Chris Gregory	Date / Time 05/27/2015 17:00		
ASSIGNMENT LIST		05/27/2015 20:41	
ICS 204-CG (Rev. 10/07)			

California red-legged frog

- A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
- All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
- Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
- After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
- After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
- Open excavations and trenches should be covered each night to prevent entrapment of frogs.
- If vegetation removal is necessary, roots should remain in place as much as possible.

II. Communications (radio and/or phone contact numbers needed for this assignment)

- | | | |
|-------------------------------------|--|--------------------------|
| <input type="checkbox"/> Map/ Chart | <input type="checkbox"/> Weather Forecast/Tides/Currents | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:22	Dan Sobieski <i>MS</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 20:41	ICS 204-CG (Rev 10/07)	

~~Waste Staging~~

Shoreline Treatment Recommendation Transmittal Form ⁽¹⁾

Site Location: El Capitan Beach State Park
Segment: 50-1-100 Length (m): 2400 Survey Date: 5/27/15
Shoreline Type: Beach Substrate: Coarse sand, cobbles, pebbles, shells Coastal Character: erosion

Box 1 Oiled Area for Treatment (EU)

Westernmost 500 m of beach (west of ramp)

Box 2 Treatment Recommendations (EU)

Hand removal of tar mat @ west end.
Hand removal of tar balls in mid-inter tidal in western end
and @ center staircase

Box 3 Recommendations / Staging and/or Logistic Constraints / Waste Issues (OPS)

Use of ramp and stairs. Along shore access by UTV

Box 4 Ecological Resource Comments

None
Constraint:

Box 5 Cultural Resources Comments (HPS)

Access confined to campground staircase and boat ramp.
Constraint: Continue full time Native American monitoring.
Spot checking by archaeological monitors

Box 6 Safety Issues (EU/OPS/SSO)

PPE, tides.

Attached: ☒ Segment Map ☐ Sketch Map ☐ SOS Form ☐ Fact Sheet ☐ Other Picture

FINAL APPROVALS:

KM Chasgo
Environment Unit Lead

RP

[Signature]
Planning Section Chief

SOSC

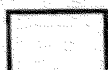
[Signature]
Historic Property Specialist

FOSC

Prepared By:

Sonia Torres

Date Prepared: 5/27/15



To Ops



To HPS



To DNR



To SOS



To EUL



To PLN



To UC

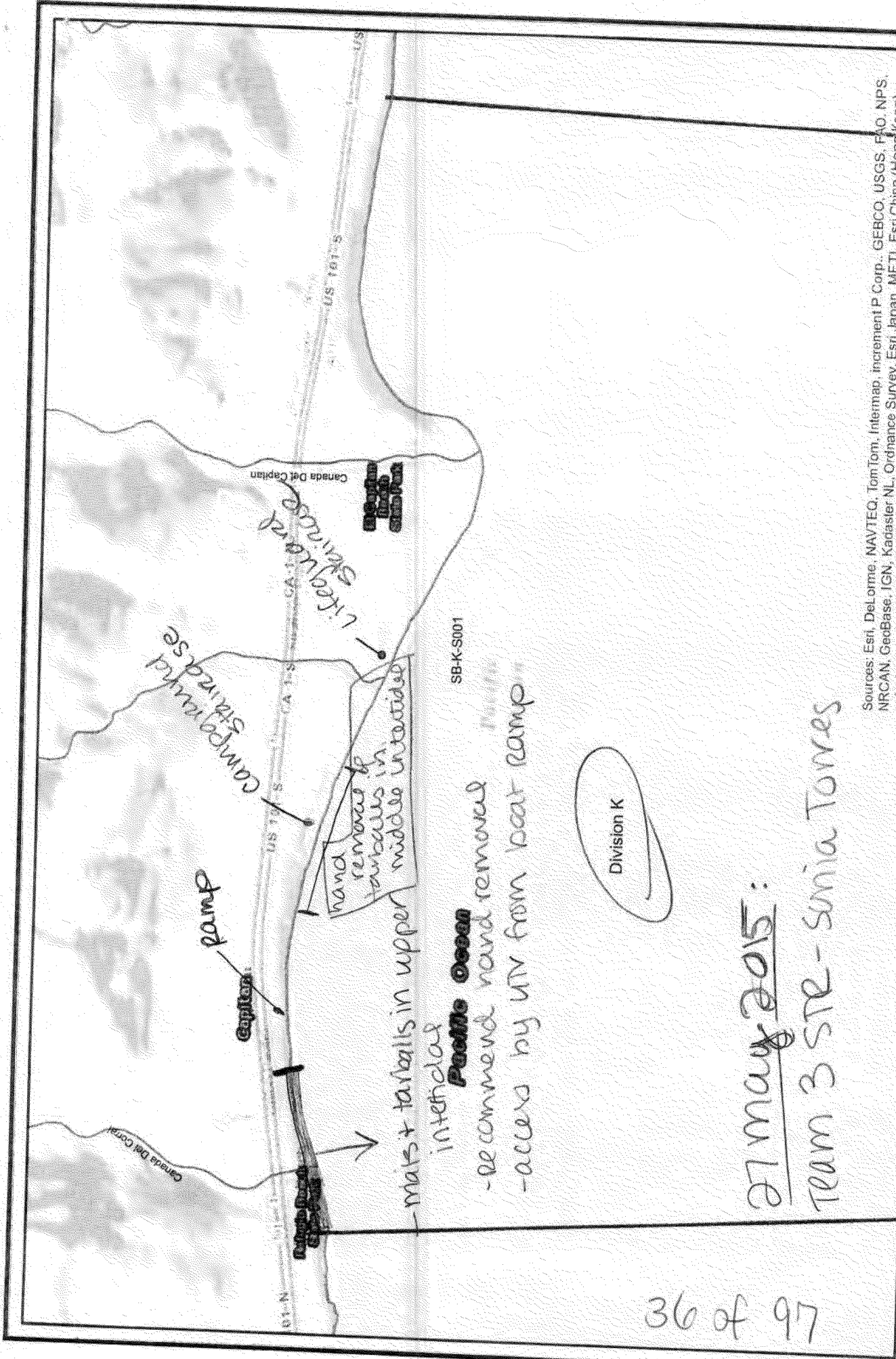
Final Approval to OPS



Final Approval to EUL



1- Complete all Boxes and forward to appropriate party for comments / approval via tracking

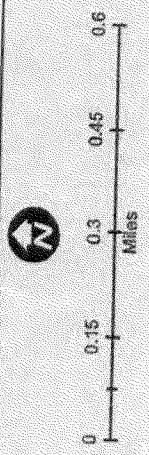


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Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community. Copyright: 2014 Esri, DeLorme, HERE, TomTom

Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

Refugio Incident Operational Division K Division K SCAT Segments



Date: 05/27/2015
By: [Name]
Auth: [Name]
Project: [Name]

BRG: 49°NE POS: 34°27'43"N, 120°2'49"W ±5m ALT: 3.5m



Revised

~~Wetland~~

Shoreline Treatment Recommendation Transmittal Form⁽¹⁾

Site Location: El Capitan Ranch
Segment: BL-600 Length (m): 2100 Survey Date: 5/25/15
Shoreline Type: Beach Substrate: Sand/cobble Coastal Character: exposed

Box 1 Oiled Area for Treatment (EU)

Mid & upper intertidal & cobble

Box 2 Treatment Recommendations (EU)

40 person hand crew w/ rakes & shovels

Box 3 Recommendations / Staging and/or Logistic Constraints / Waste Issues (OPS)

Access to Eddy's Pt. through Las Vegas. CTT only
Boulders make access difficult. Consider water access.
Access through Las Vegas?

Box 4 Ecological Resource Comments

Constraint:

Box 5 Cultural Resources Comments (HPS)

Access to beach via existing roadways. Continue full time
Chumash monitoring. Spot checking by archaeologists.
Constraint:

Box 6 Safety Issues (EU/OPS/SSO)

Cliff face, falling rock

Attached: ☒ Segment Map ☐ Sketch Map ☐ SOS Form ☐ Fact Sheet ☐ Other

FINAL
APPROVALS:

K. P. Chavez
Environment Unit Lead

RP

[Signature]
Planning Section Chief

SOSC

[Signature]
Historic Property Specialist

FOSC

Prepared By:

Sonia Torres

Date Prepared:

5/29/15



To Ops



To HPS



To DNR



To SOS



To EUL



To PLN



To UC

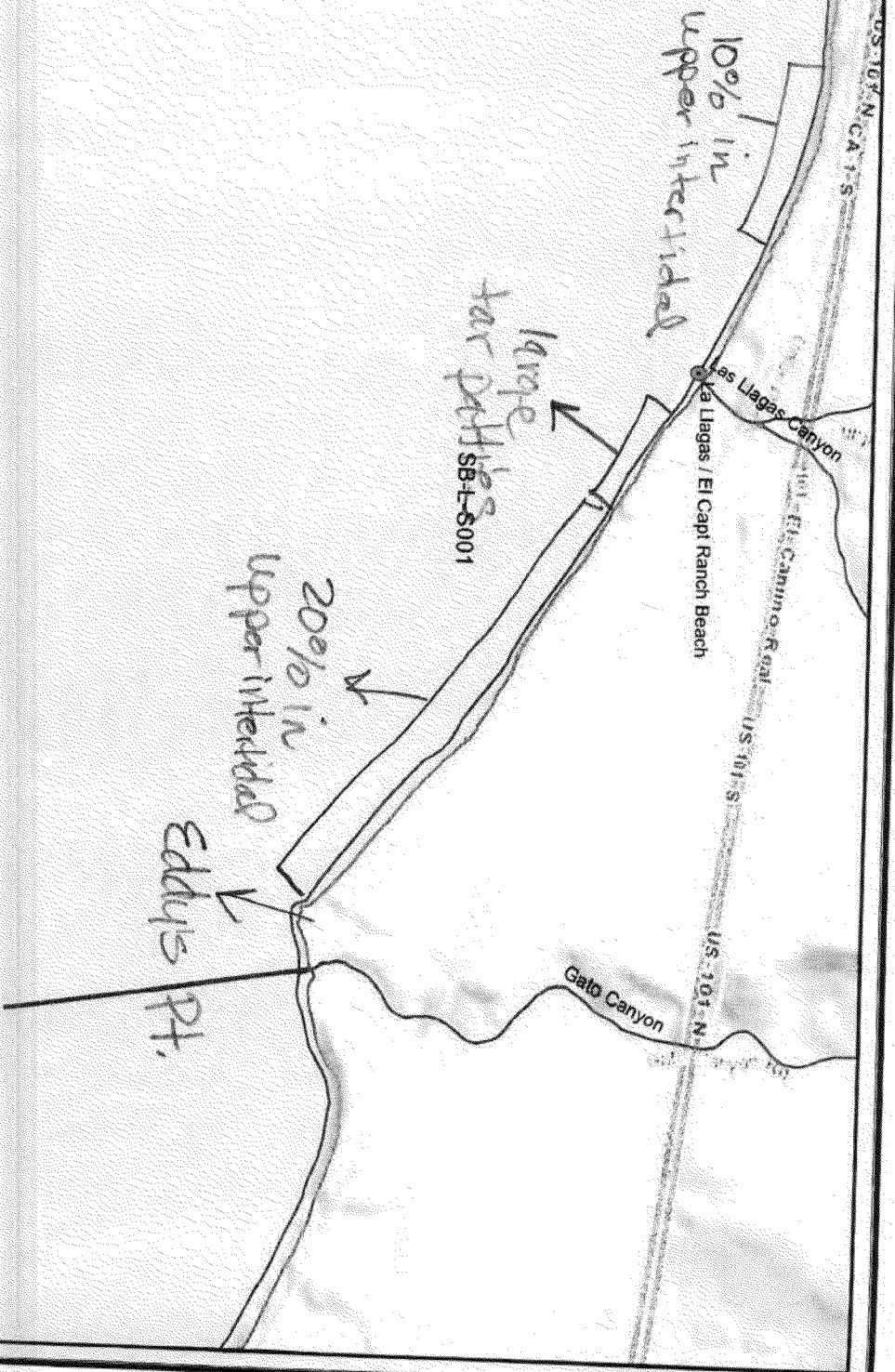
Final Approval
to OPS



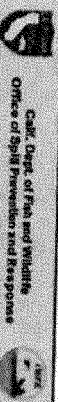
Final Approval
to EUL



1: Complete all Boxes and forward to appropriate party for comments / approval via tracking



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

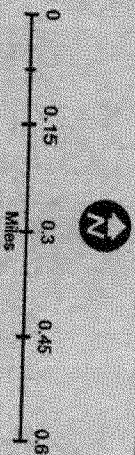


Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

NO 182 Coastal Data Area

San Joaquin County
Register SB-L-S001
Author: J. M. M. M.
Date Created: 5/2/2015

Refugio Incident Division L Segment SB-L-S001



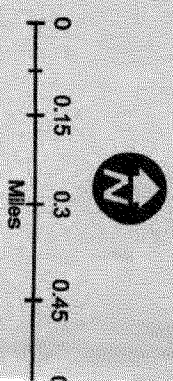
40 of 95



Division L

California Department of Fish and Wildlife
Division of Spill Prevention and Response
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9
30
1/2015
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Refugio Incident
Division L
Streets



Revised

~~Wetland~~

Shoreline Treatment Recommendation Transmittal Form⁽¹⁾

Site Location: El Capitan Ranch
Segment: SP-1-SP-2 Length (m): 900 Survey Date: 5/26/15
Shoreline Type: Beach Substrate: Sand/Cobble Coastal Character: Coastal

Box 1 Oiled Area for Treatment (EU)

Upper intertidal & cobble

Box 2 Treatment Recommendations (EU)

50 person hand crew w/ rakes & shovels

Box 3 Recommendations / Staging and-or Logistic Constraints / Waste Issues (OPS)

Access to Eddy's Pt is through Las Varas. CCC only. Boulders make access difficult consider water access.

Box 4 Ecological Resource Comments

None

Constraint:

Box 5 Cultural Resources Comments (HPS)

Access via ranch road or tunnel road only. Continue Chumash monitoring. Spot checking by archaeologists.

Constraint:

Box 6 Safety Issues (EU/OPS/SSO)

Cliff face, falling rock

Attached: ☒ Segment Map ☒ Sketch Map ☐ SOS Form ☐ Fact Sheet ☐ Other: photo

FINAL APPROVALS:

[Signature]
Environment Unit Lead

RP

[Signature]
Planning Section Chief

SOSC

[Signature]
Historic Property Specialist

FOSC

Prepared By: Conita Torres

Date Prepared: 5/25/15

To Ops

To HPS

To DNR

To SOS

To EUL

To PLN

To UC

Final Approval to OPS

Final Approval to EUL

1- Complete all Boxes and forward to appropriate party for comments / approval via tracking



U.S. Dept. of Fish and Wildlife
Office of State Prevention and Response

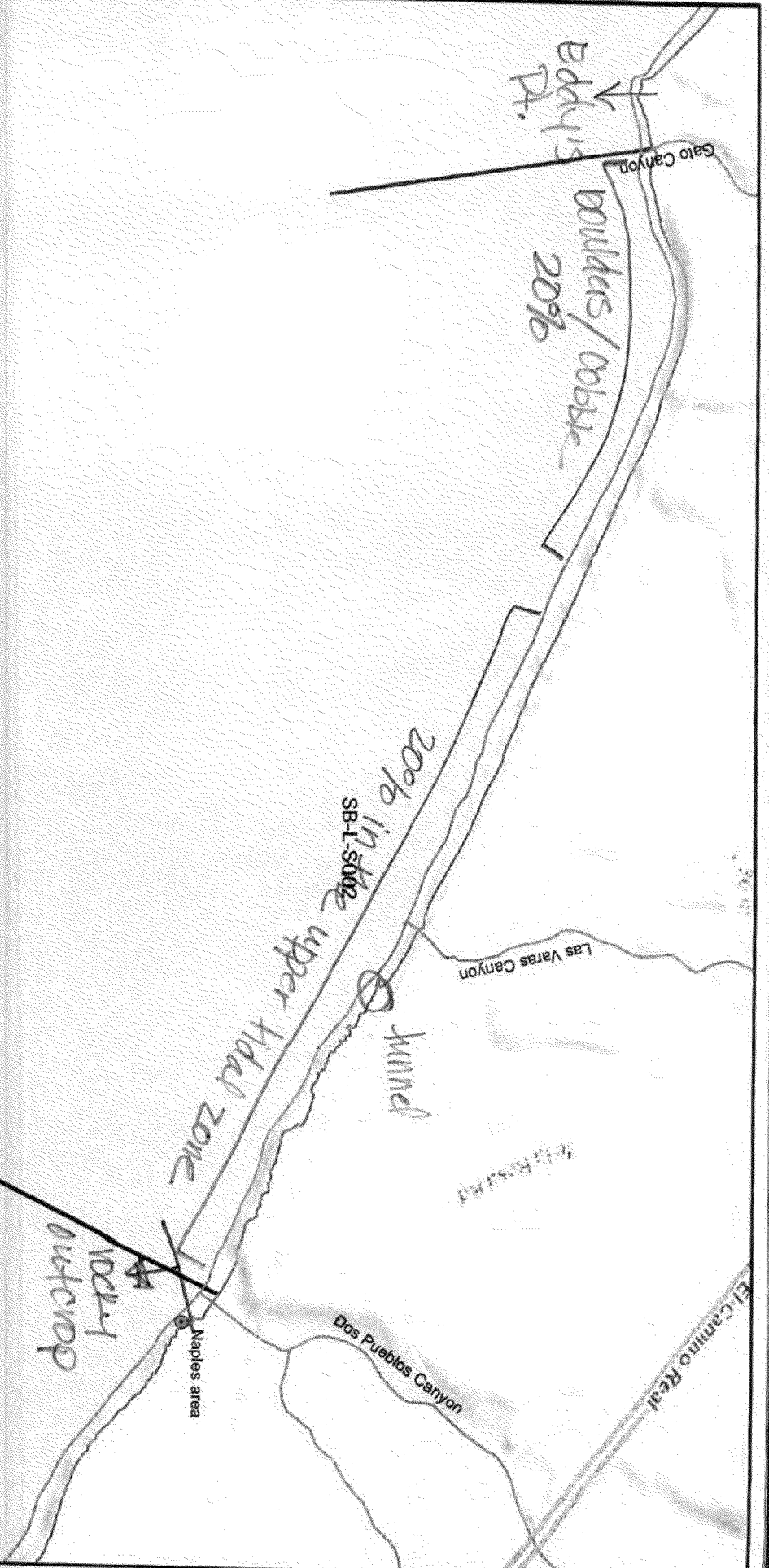
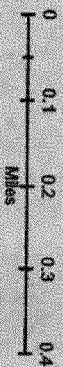


State of California
Department of Fish and Wildlife
Office of State Prevention and Response
1000 N. Main Street, Suite 100
Sacramento, CA 95833
Tel: (916) 227-1000
Fax: (916) 227-1001

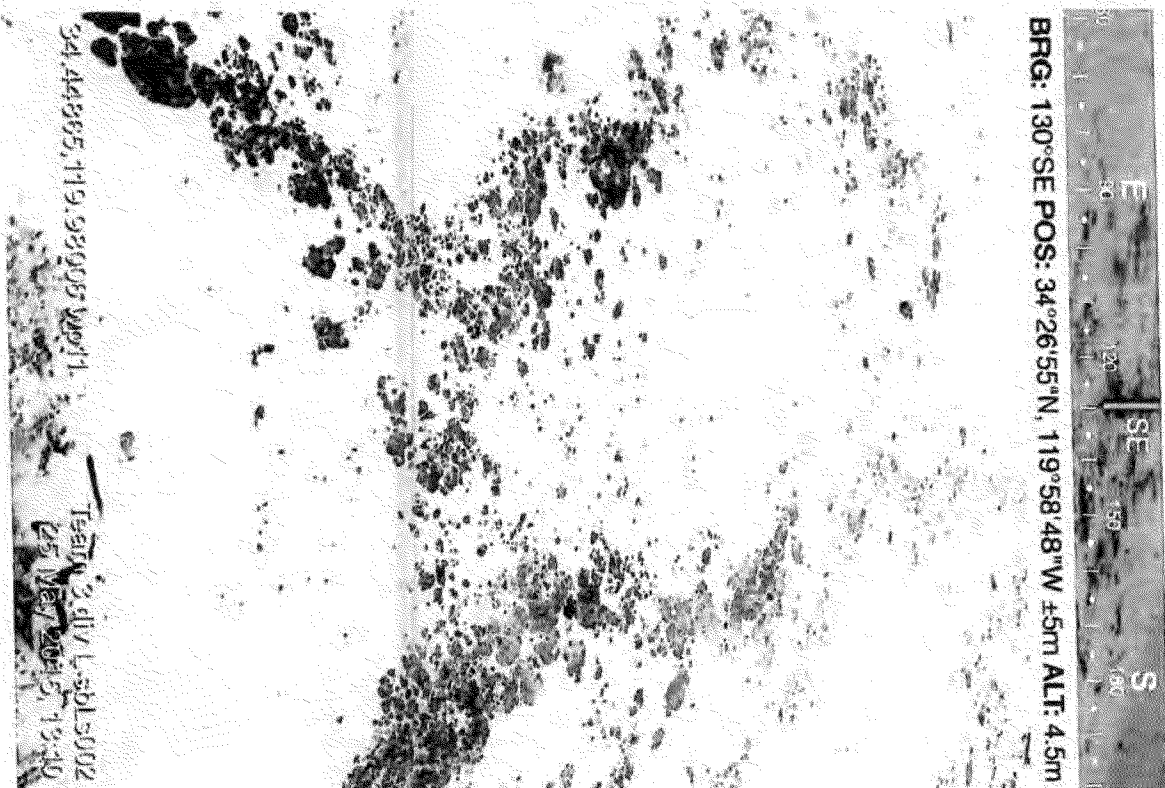
Refugio Incident Division L

Segment SB-L-S002

Sources: Esri, DeLorme, NAVTEQ, Topcon, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, and the GIS User Community



SB-L-5002

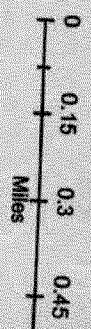


California Department of Fish and Wildlife
Office of Spill Prevention and Response

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**Refugio Incident
Division L
Streets**



Division L



~~Wetland~~

Shoreline Treatment Recommendation Transmittal Form⁽¹⁾

Site Location: Div L - S001 EL CAPITAN - Los Vegas Ranch
Segment: S001 Length (m): 1.5 miles Survey Date: 5/27/15
Shoreline Type: beach-3A Substrate: Sandy boulder Coastal Character: Open beach
cobble

Box 1 Oiled Area for Treatment (EU)

middle intertidal sand
middle intertidal boulders

Box 2 Treatment Recommendations (EU)

Continue racking oil on the beach - currently being cleaned by Santa Barbara County Fire.
Start scraping oil off boulders - add an additional 20 people at this site
from CCS for boulder scraping, do not take people away from racking oil on the beach

Box 3 Recommendations / Staging and/or Logistic Constraints / Waste Issues (OPS)

Contact Paul (805) 896-7623 for access to Los Vegas or Edin Point
Contact Darin Mafi (805) 896-6352 - Santa Barbara County Fire for access points (very help)
Contact Ted at Dos Pueblos at (805) 453-9227

Box 4 Ecological Resource Comments

Large rocky intertidal habitat

Constraint:

Box 5 Cultural Resources Comments (HPS)

Cultural Site - Co - SBA - 1803 - National Reg. at Edin Point / Los Vegas Ranch
Contact Pennyko Perez - Native American contact - (805) 231-0227
Constraint: Access to beach via existing roadways

Box 6 Safety Issues (EU/OPS/SSO) Continue Rocking Chumash monitoring. Spot check
by archaeologists.

Access at low tide

Attached: ☐ Segment Map ☐ Sketch Map ☐ SOS Form ☐ Fact Sheet ☐ Other

FINAL
APPROVALS:

KM O'Leary
Environment Unit Lead

Planning Section Chief

Historic Property Specialist

RP

SOSC

FOSC

Prepared By:

Date Prepared:

To Ops

To HPS

To DNR

To SOS

To EUL

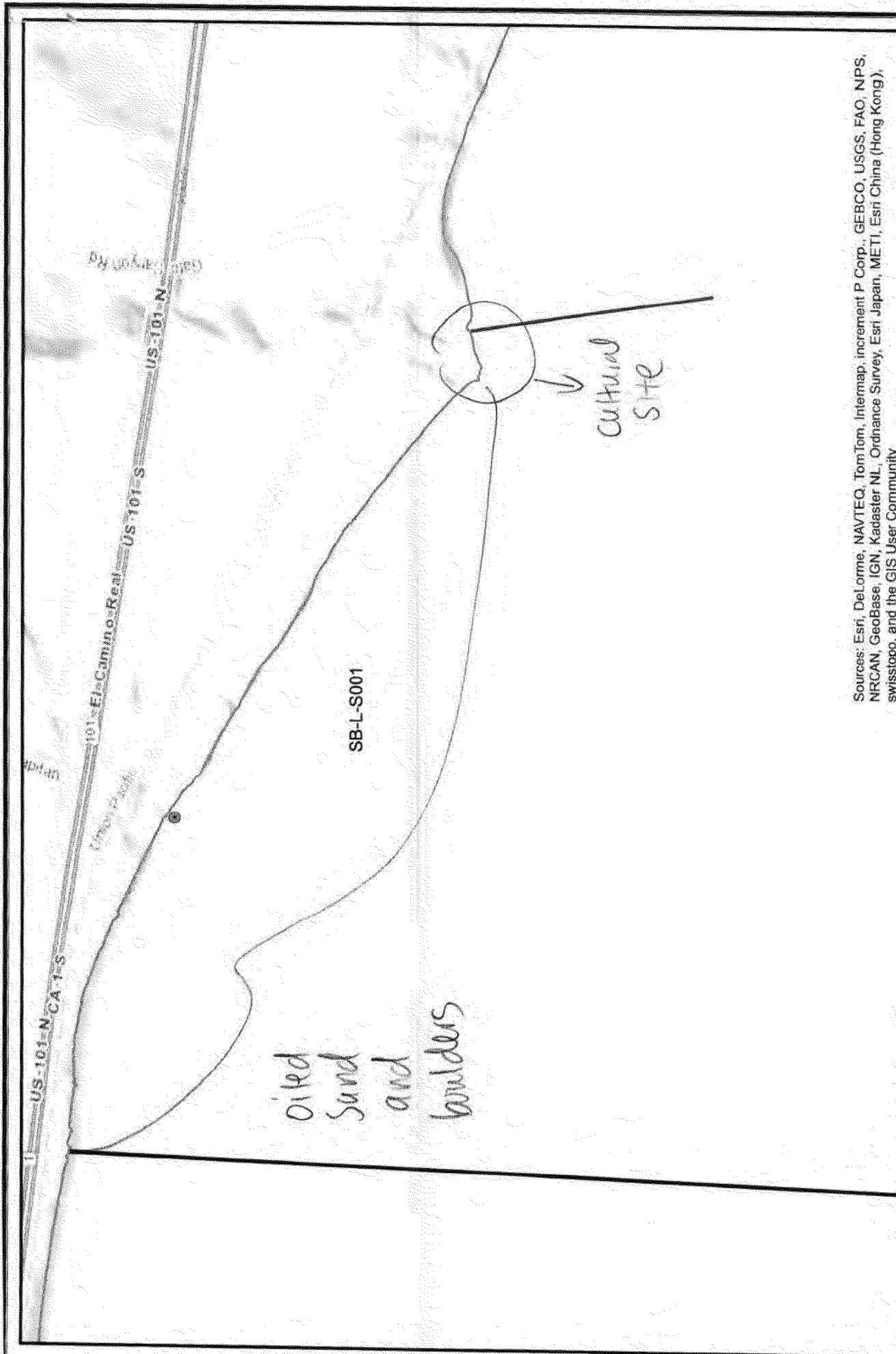
To PLN

To UC

Final Approval
to OPS

Final Approval
to EUL

¹ Complete all Boxes and forward to appropriate party for comments / approval via tracking



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Refugio Incident Division L

Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response



East Santa Clara
Requester: SCAT Coordinator
Author: J. Markel
Date Created: 5/21/2015

1/30_1993 California, Texas, Alaska



0 0.1 0.2 0.3 0.4
Miles

~~Waste Staging~~

Shoreline Treatment Recommendation Transmittal Form⁽¹⁾

Site Location: DIV L - S002 El Capitan
Segment: S002 Length (m): 1.5 mile Survey Date: 5/27/19
Shoreline Type: beach-3A Substrate: Sand, boulder, cobble Coastal Character: open beach

Box 1 Oiled Area for Treatment (EU)

Buried oil found at the tunnel on Las Varas Ranch - 15cm deep tarballs at wreck line
Oil found on the sand and boulder at lower and middle intertidal

Box 2 Treatment Recommendations (EU)

rack up tarballs from the lower beach area and the wreck line
scrap tarballs from the boulders
clean-up wreck line tarballs at Dos Pueblos Ranch this Thursday or Friday (there will be a wedding the Saturday)

Box 3 Recommendations / Staging and-or Logistic Constraints / Waste Issues (OPS)

Contact Ted at Dos Pueblos at (805) 453-9227
Contact Darin Mafi at (805) 896-6352 - Southern California County Fire (Very helpful)
Contact Paul at Las Varas at (805) 896-7623

Box 4 Ecological Resource Comments

Large rocky intertidal habitat

Constraint:

Box 5 Cultural Resources Comments (HPS)

Contact Reykabo Perez - Native American Contact (805) 231-0229
Cultural Site - Co-SBA-1803 - National Registry at El Estero Point / Las Varas Ranch
Constraint: Access via ranch road or tunnel road only.

Box 6 Safety Issues (EU/OPS/SSO)

Continue Chumash monitoring. Spot checking by archaeologists.

Attached: ☐ Segment Map ☐ Sketch Map ☐ SOS Form ☐ Fact Sheet ☐ Other:

FINAL APPROVALS:

KMC
Environment Unit Lead

B. Thompson
Planning Section Chief

J
Historic Property Specialist

RP

SOSC

FOSC

Prepared By:

Date Prepared:

To Ops

To HPS

To DNR

To SOS

To EUL

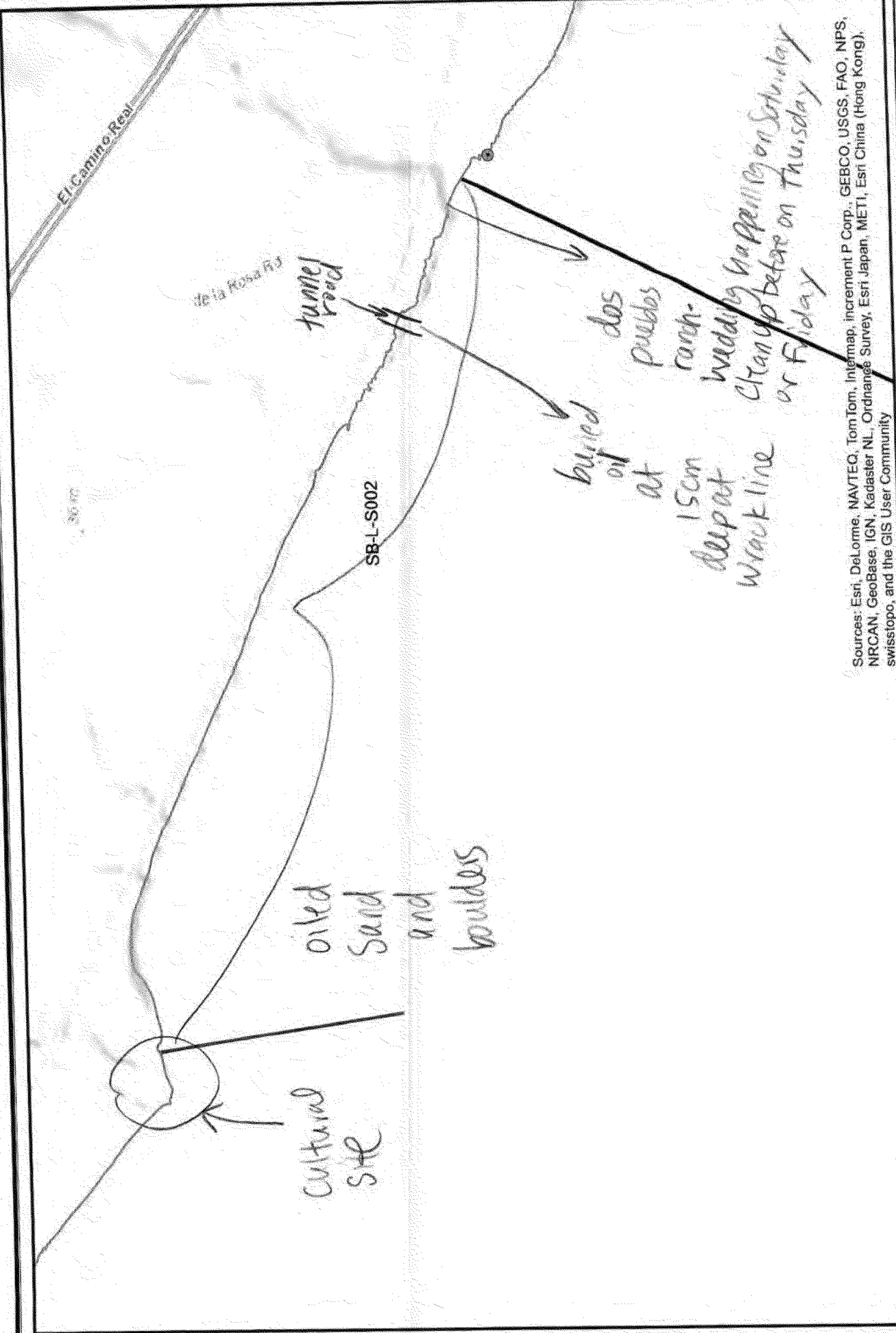
To PLN

To UC

Final Approval to OPS

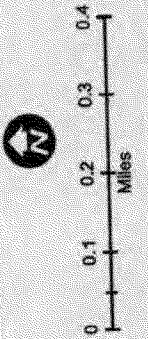
Final Approval to EUL

1- Complete all Boxes and forward to appropriate party for comments / approval via tracking



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Refugio Incident Division L



Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

DATA SOURCE: OSRP
FILED FOR: SCAT Coordinator
AUTHOR: J. Menden
DATE CREATED: 5/21/2015

NAD 1983 California, Teale, Albers

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch Recovery Branch		4. Division/Group/Staging Division M/N			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	WOB	702-802-1849	
Branch Director		Jason Bergeron	WOB	281-414-7742	
Division/Group Supervisor/STAM		Josh Velters	WOB	979-665-6355	
6. Resources Assigned					
'X' indicates 204a attachment with additional instructions					
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	Clean Harbors Team 1	Gregorio Munez	310-345-6867	25	UCSB Coal Oil Point
1 (each)	West Coast Environmental Team 2	Bill Ayers	562-900-9968	25	Haskell Beach behind Bacard Resort
7. Work Assignments					
<p>Conduct shoreline clean up as directed in accordance with SCAT methodology.</p> <p>When beaches have been cleaned to Phase 1 criteria, written confirmation is required by SCAT on their POM form.</p> <p>Clean Harbors Team 1 - UCSB Coal Oil Point</p> <p>West Coast Environmental Team 2 - Haskell Beach behind Bacard Resort.</p>					
8. Special Instructions					
<p>All personnel are reminded to keep hydrated and take rest breaks as necessary. PPE: Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways if possible PFD's must be worn if the potential for drownig exists.</p> <p>Instructions for Dead Wildlife and Natural Resource Protection.</p> <p>Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.</p> <p>Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.</p> <p>It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.</p> <p>Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.</p>					
SAFETY MESSAGE					
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.					
HISTORICAL/CULTURAL GUIDELINES					
<ul style="list-style-type: none"> • Leave cultural materials in place at the site of discovery, and mark its location. • Stop clean-up work in the vicinity surrounding the site, within a 6ft radius. • Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude. 					
Report All Injuries require a immediate notification to Direct Supervisor.					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
10. Prepared By		Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)
Steve Browne		05/27/2015 10:22	Dan Sobieski	05/27/2015 17:00	Chris Gregory
ASSIGNMENT LIST		05/27/2015 20:54		05/27/2015 17:00	

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
Emergency Communications			
Medical:	Evacuation:	Other:	
10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time
Steve Browne	05/27/2015 10:22	Dan Sobieski <i>DS</i>	05/27/2015 17:00
		12. Reviewed By (OSC)	Date / Time
		Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 20:54	
Generated by Will O'Brien's		ICS 204-CG (Rev.10/07)	

1. Incident Name		2. Operational Period (Date/Time)		Operational Period	Assignment List
Refugio Incident		From 05/28/2015 06:00 To 05/29/2015 05:58		Ops Period 8	ATTACHMENT ICS 204a
3. Branch			4. Division/Group/Staging		
Recovery Branch			Division M/N		
5. Strike Team/Task Force/Resource(Identifier)			6. Leader	7. Assignment Location	
Team			Team Leader		
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment					
DIVISION M/N MINIMIZATION MEASURES					
<p>Habitat-specific Measures These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.</p> <p>Riparian</p> <ul style="list-style-type: none"> • Avoid entering wetted areas as much as possible. • Avoid disturbing vegetation as much as possible. • The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission. • During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible. • Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place. • Response activities should avoid or minimize changes in channel morphology • No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval. • Any listed plant species should be flagged and avoided. • For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures. <p>Sandy Beach/Dune</p> <ul style="list-style-type: none"> • Avoid entering vegetated dune habitat as much as possible. • If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack. • Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour). • Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location. • Manual oil removal techniques should be used as much as possible. • All trash or anything that would attract wildlife to the work area should be removed on a daily basis. • Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species. • For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures. <p>Estuarine</p> <ul style="list-style-type: none"> • Avoid entering wetted habitat as much as possible. • Avoid disturbing vegetation as much as possible. • Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location. • A biologist should be present throughout the duration of the cleanup activities. • Any listed plant species should be flagged and avoided. • A biologist should look for nests and establish suitable buffer areas to prevent impacts • For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures. <p>Species-specific Measures These measures are specifically targeted to minimize impacts to listed species during initial response. USFWS should be contacted immediately to provide incident-specific measures to best protect these species.</p> <p>Tidewater goby</p> <ul style="list-style-type: none"> • Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs. • If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies. • Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work. • Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site. • If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days. • Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening. • Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about 					
10. Prepared By		Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)
Steve Browne		05/27/2015 10:22	Dan Sobieski	05/27/2015 17:00	Chris Gregory
ASSIGNMENT LIST		05/27/2015 20:54			ICS 204-CG (Rev.10/07)

the tidewater goby avoidance/ minimization measures to be implemented during the response.

California least tern and/or Western snowy plover

- All responders should be informed of the potential for western snowy plovers and/or California least terns to be impacted and of the avoidance/minimization measures being implemented.
- A qualified biologist should identify areas that may contain nests or chicks, and any entry into these areas should be avoided.
- Any work required within nesting areas should be accompanied by a qualified biologist.
- A qualified biologist should identify and demarcate access and egress routes.
- The number of vehicles and number of vehicle trips should be reduced to the minimum needed to achieve the mission.
- All activities near nests or chicks should occur on the lower beach (wet sand), if possible.
- Watch for and avoid western snowy plovers sheltering in tire tracks and sandy depressions.
- If vehicles are used, speed should be kept to less than 10 mph, and vehicles should remain on the lower beach (wet sand), if possible. If it is not possible to remain on the lower beach (e.g., it is high tide), responders should stop every 100 m and scan ahead with binoculars to look for western snowy plovers and California least terns on the beach.
- The amount of wrack, shells, and natural debris removed from the beach should be minimized. If shoreline pre-cleaning is necessary, debris should be stockpiled in an appropriate location (avoiding nesting locations) and returned to the beach after the threat of oil is gone, to the extent practical.

California red-legged frog

- A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
- All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
- Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
- After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
- After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
- Open excavations and trenches should be covered each night to prevent entrapment of frogs.
- If vegetation removal is necessary, roots should remain in place as much as possible.

9. Communications (radio and/or phone contact numbers needed for this assignment)

- | | | |
|-------------------------------------|--|--------------------------|
| <input type="checkbox"/> Map/ Chart | <input type="checkbox"/> Weather Forecast/Tides/Currents | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 10:22	Dan Sobieski <i>DS</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00

ASSIGNMENT LIST 05/27/2015 20:54 ICS 204-CG (Rev. 10/07)

~~Shoreline Treatment~~

Shoreline Treatment Recommendation Transmittal Form ⁽¹⁾

Site Location: SB-M-500 #1 (5001)
Segment: 1 Length (m): 100 Survey Date: 27 May 2015
Shoreline Type: 3A ~~Sand~~ Substrate: Sand Coastal Character: Exposed

Box 1 Oiled Area for Treatment (EU)

TB's on sand - low/mid/upper intertidal

Box 2 Treatment Recommendations (EU)

Zone 1 - Remove 120 trash bags from bluff from @ wpt 93 (39.43516/119.45340) (100%)
Manual removal of tarballs and oiled seaweed from sand/beach when low tides permit (low % oiling, low % access)

Box 3 Recommendations / Staging and/or Logistic Constraints / Waste Issues (OPS)

Access limited to scramble trail from paradise ranch @ start of segment and Dug Reel at end of segment.

Box 4 Ecological Resource Comments

Constraint:

Box 5 Cultural Resources Comments (HPS)

Access only through East end of project. No access through Naples area. Continue Chumuck monitoring. Spot checking by archaeologists.

Constraint:

Box 6 Safety Issues (EU/OPS/SSO)

Attached: ☐ Segment Map ☐ Sketch Map ☐ SOS Form ☐ Fact Sheet ☐ Other

FINAL APPROVALS:

K. C. [Signature]
Environment Unit Lead
RP

[Signature]
Planning Section Chief
SOSC

[Signature]
Historic Property Specialist
FOSC

Prepared By: [Signature]

Date Prepared: 5/27/15

☐
To Ops

☐
To HPS

☐
To DNR

☐
To SOS

☐
To EUL

☐
To PLN

☐
To UC

Final Approval to OPS

☐

Final Approval to EUL

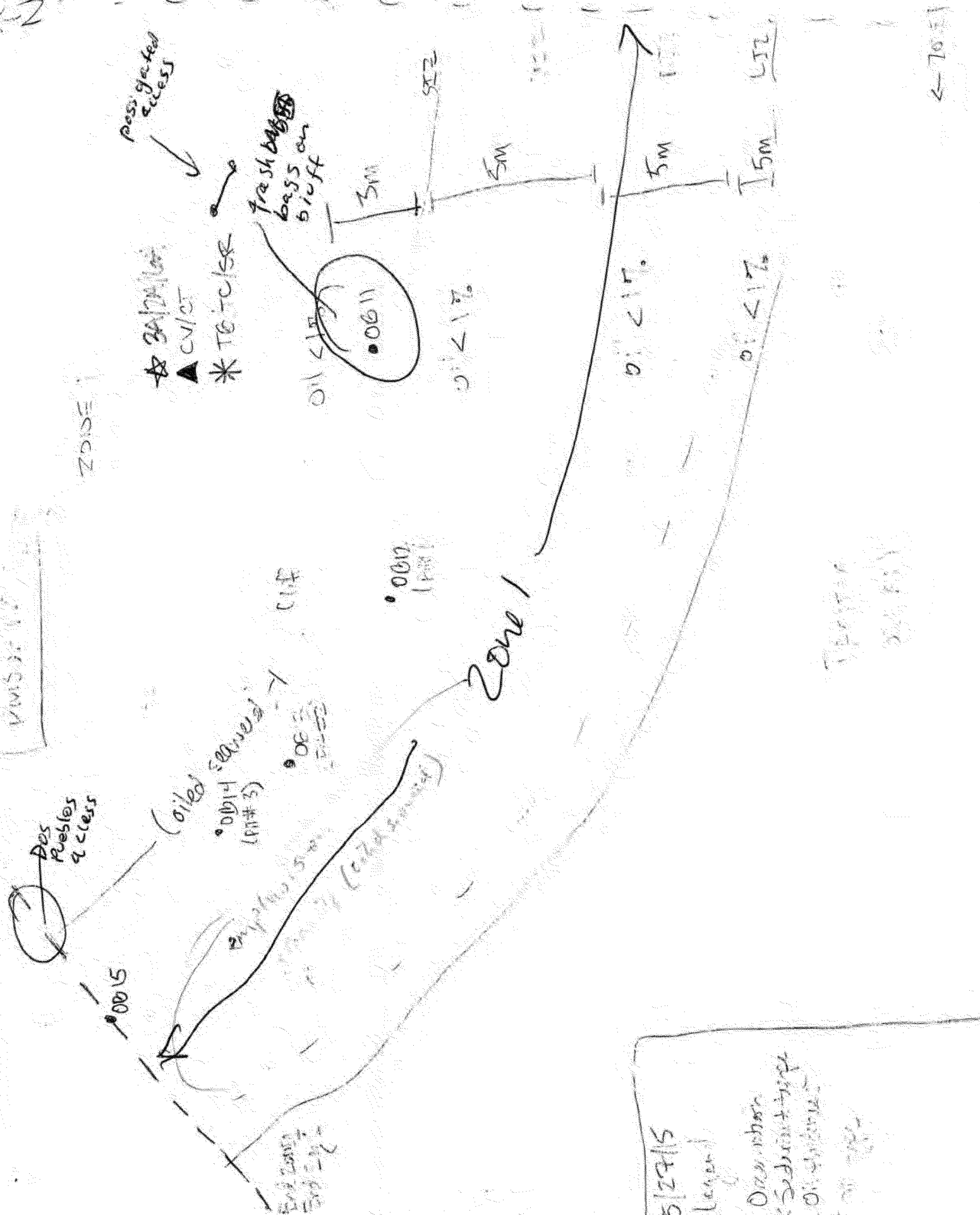
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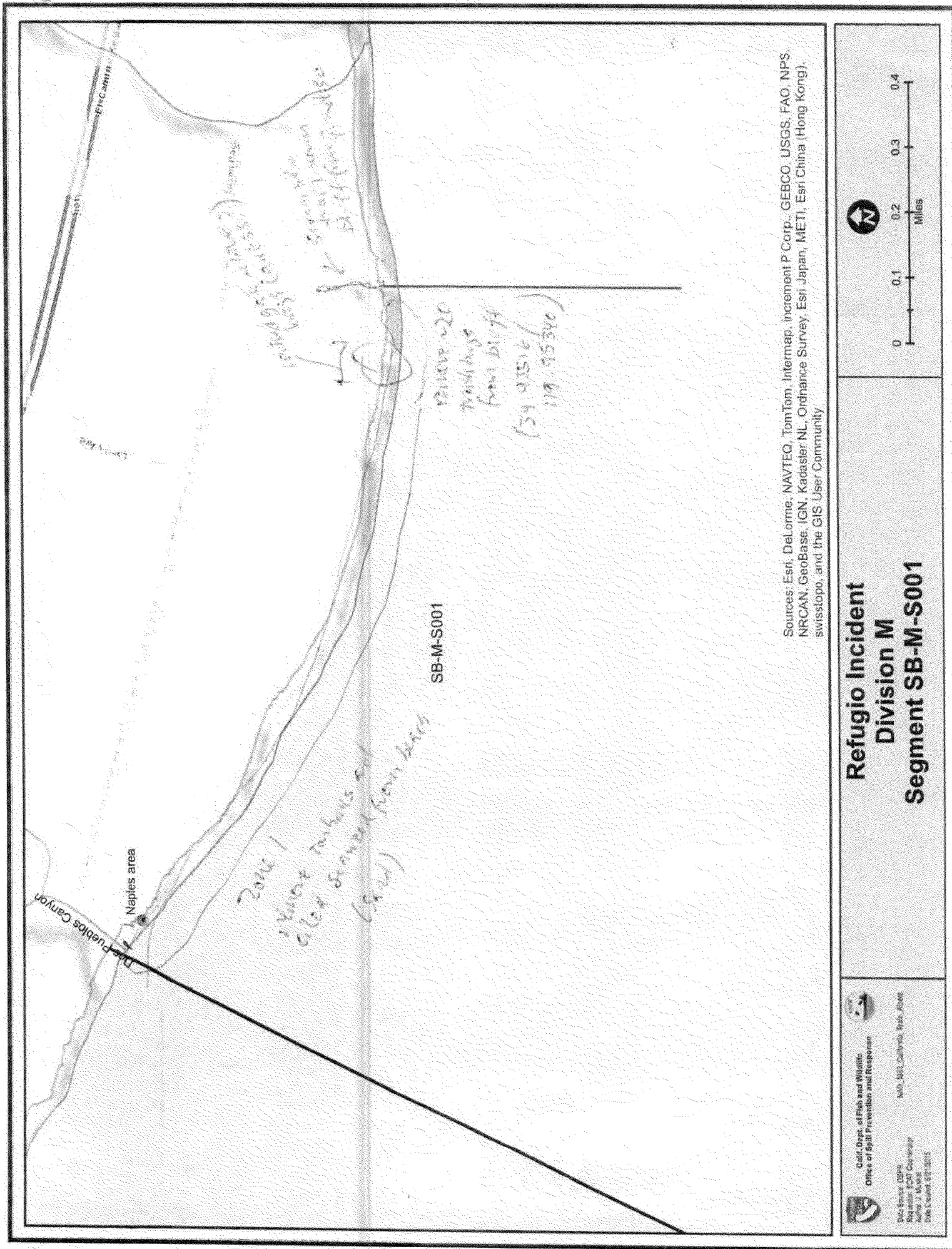
1- Complete all Boxes and forward to appropriate party for comments / approval via tracking.

54 of 97

Lee

* Over when
the Submarine
A Oil Spill
* 11-12





Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, and the GIS User Community

Refugio Incident Division M Segment SB-M-S001

Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

DAI, ESRI, GPS, Skyline, SAT, Google, Auto, Adobe, Adobe, J. Mark, Doh, C. 2015

NAO, 1911, California, Auto, Adobe

~~Shoreline Treatment~~

Shoreline Treatment Recommendation Transmittal Form⁽¹⁾

Site Location: SB-M-5002
Segment: 2A Length (m): 500 Survey Date: 27 May 2015
Shoreline Type: Sand Beach Substrate: Sand 10 Coastal Character: Exposed

Box 1 Oiled Area for Treatment (EU) 2A - wavecut platforms

Sand, exposed wave cut platforms (zone 2)

Box 2 Treatment Recommendations (EU)

Zone 1 - Manual removal of TP's/oiled debris from Eagle Canyon Creek beach (Sand) - crew 25
Zone 2 - scrape loose oil from rocks, take debris to active stream's tide pools
Zone 3 - manual removal of TP's and oiled seaweed (low priority)

Box 3 Recommendations / Staging and-or Logistic Constraints / Waste Issues (OPS)

Access limited to Bacara/Haskell's beach and Eagle Canyon Creek

Box 4 Ecological Resource Comments

Constraint:

Box 5 Cultural Resources Comments (HPS)

Access via scramble at east west end or existing road at
Gold Eagle Canyon Creek. Continue Shumash monitoring.
Constraint: Spot checking by archaeologists.

Box 6 Safety Issues (EU/OPS/SSO)

Attached: ☐ Segment Map ☐ Sketch Map ☐ SOS Form ☐ Fact Sheet Other: ☐

FINAL APPROVALS:

[Signature]
Environment Unit Lead

[Signature]
Planning Section Chief

[Signature]
Historic Property Specialist

RP

SOSC

FOSC

Prepared By:

Date Prepared:



To Ops



To HPS



To DNR



To SOS



To EUL



To PLN



To UC

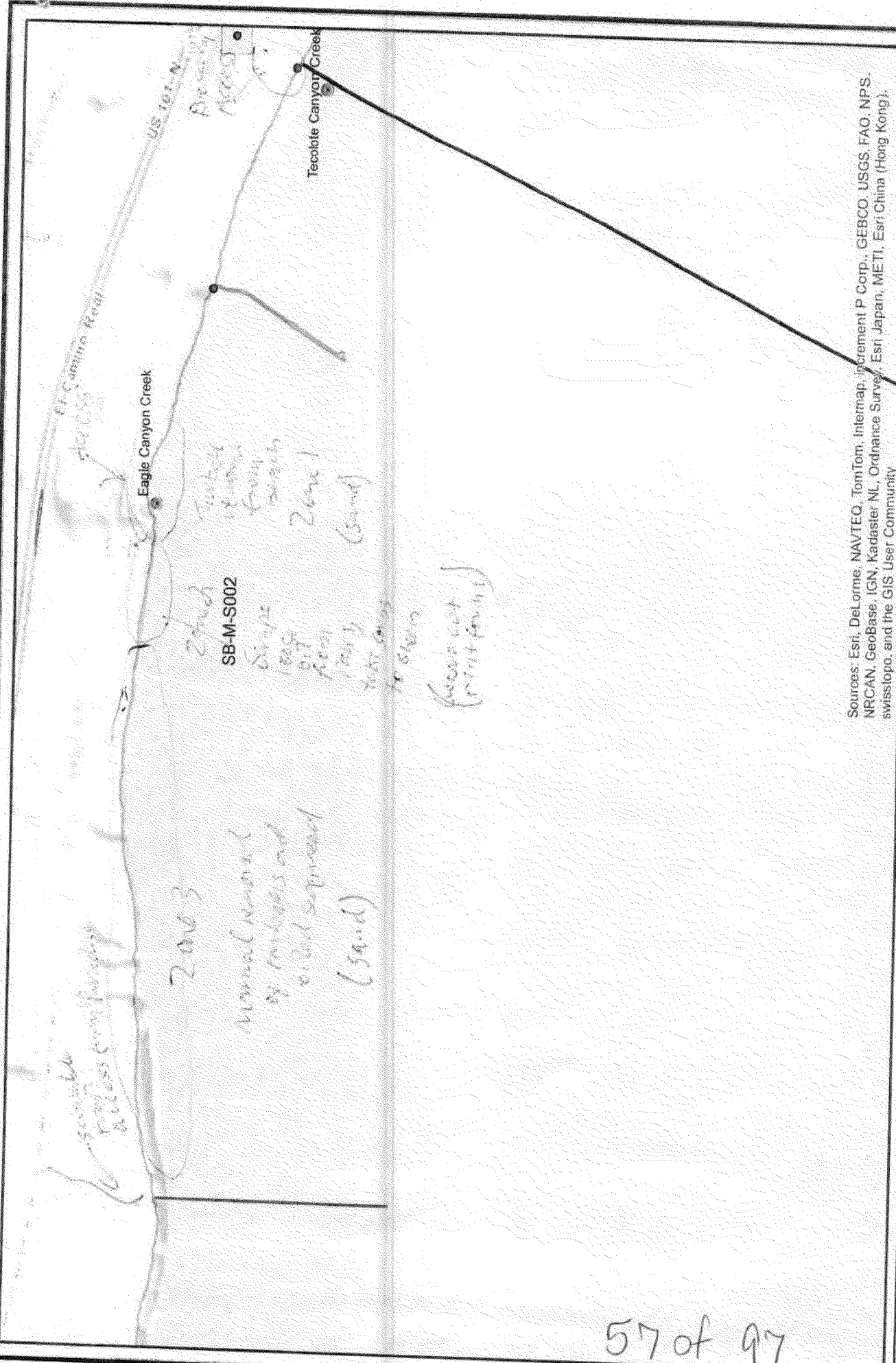
Final Approval to OPS



Final Approval to EUL



1- Complete all Boxes and forward to appropriate party for comments / approval via tracking



Sources: Esri, Delorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

Refugio Incident Division M Segment SB-M-S002

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch Recovery Branch		4. Division/Group/Staging Division O/P			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	Witt O'Briens	702-802-1849	
Branch Director		Jason Bergeron	Witt O'Briens	281-414-7742	
Division/Group Supervisor/STAM		Peter Gardener	Witt O'Briens	206-914-5131	
6. Resources Assigned 'X' indicates 204a attachment with additional instructions					
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	Hot Shot Team			0	Refugio Staging
7. Work Assignments					
<p>Conduct shoreline cleanup as directed and in accordance with SCAT methodology.</p> <p>When beaches have been cleaned to Phase 1 criteria, written confirmation is required by SCAT on their POM form.</p> <p>No work scheduled - Conditions will be monitored by Division Supervisor and SCAT.</p>					
8. Special Instructions					
<p>All personnel are reminded to keep hydrated and take rest breaks as necessary. PPE: Tyvek suits, gloves, safety glass, neoprene boots. Avoid walking near waterways if possible PFD's must be worn if the potential for drownig exists.</p> <p>Instructions for Dead Wildlife and Natural Resource Protection.</p> <p>Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.</p> <p>Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.</p> <p>It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.</p> <p>Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.</p> <p>SAFETY MESSAGE</p> <p>All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.</p> <p>HISTORICAL/CULTURAL GUIDELINES</p> <ul style="list-style-type: none"> • Leave cultural materials in place at the site of discovery, and mark its location. • Stop clean-up work in the vicinity surrounding the site, within a 6ft radius. • Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude. <p>Report All Injuries require a immediate notification to Direct Supervisor.</p>					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager		
10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	Dan Sobieski <i>DWS</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 19:38		ICS 204-CG (Rev.10/07)	

Emergency Communications**Medical:****Evacuation:****Other:****10. Prepared By****Date/Time****11. Reviewed By (PSC)****Date / Time****12. Reviewed By (OSC)****Date / Time**

Steve Browne

05/27/2015 14:00

Dan Sobieski

DMG

05/27/2015 17:00

Chris Gregory

05/27/2015 17:00

ASSIGNMENT LIST

05/27/2015 19:38

ICS 204-CG (Rev.10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ATTACHMENT ICS 204a
3. Branch Recovery Branch		4. Division/Group/Staging Division O/P			
5. Strike Team/Task Force/Resource(Identifier)		6. Leader		7. Assignment Location	
Team		Team Leader			
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
<input type="checkbox"/> Map/ Chart		<input type="checkbox"/> Weather Forecast/Tides/Currents		<input type="checkbox"/>	
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
<div style="height: 500px; border: 1px solid black;"></div>					
10. Prepared By Steve Browne		Date/Time 05/27/2015 14:00	11. Reviewed By (PSC) Dan Sobieski <i>MS</i>	Date / Time 05/27/2015 17:00	12. Reviewed By (OSC) Chris Gregory
					Date / Time 05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 19:38		ICS 204-CG (Rev.10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch Recovery Branch		4. Division/Group/Staging Protection Group			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	Witt O'Brien's	702-802-1849	
Branch Director		Jason Bergeron	Witt O'Brien's	281-414-7742	
Division/Group Supervisor/STAM		R. Delgado	Patriot	362-244-4408	
6. Resources Assigned 'X' indicates 204a attachment with additional instructions					
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	Task Force 1	Ruben D	CH 10	4	Report to Staging at 0600 X
7. Work Assignments					
As directed, deploy and maintain strategies per the Area Contingency Plan.					
8. Special Instructions					
<p>Follow site strategies as per ACP, deploying boom, sorbents and fence stakes.</p> <p>PPE: Tyvek suits, gloves, safety glasses, neoprene boots. PFDs are required within 10' of water or presents a risk of drowning.</p> <p>Offshore work on vessels are required a PFD</p> <p>Instructions for Dead Wildlife and Natural Resource Protection.</p> <p>Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.</p> <p>Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.</p> <p>It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.</p> <p>Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.</p> <p>On Water: Avoid entering kelp beds as much as possible. Avoid boat traffic traveling near or through flocks of seabirds resting on water, stay 1000 ft away from nesting seabirds. If sea otter is observed keep clear and call Mike Harris immediately. 831-212-7090</p>					
SAFETY MESSAGE					
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.					
HISTORICAL/CULTURAL GUIDELINES					
<ul style="list-style-type: none"> • Leave cultural materials in place at the site of discovery, and mark its location. • Stop clean-up work in the vicinity surrounding the site, within a 6ft radius. • Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude. 					
Report All Injuries require a immediate notification to Direct Supervisor.					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Name/Function	Radio Freq./System/Channel		Phone	Cell/Pager	
Marine VHF	CH 10		562-244-4408		
10. Prepared By Date/Time 11. Reviewed By (PSC) Date / Time 12. Reviewed By (OSC) Date / Time					
Steve Browne	05/27/2015 14:00	D. Sobieski	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 19:30	ICS 204-CG (Rev.10/07)	

Emergency Communications**Medical:** 911**Evacuation:** 911**Other:** 911**10. Prepared By****Date/Time****11. Reviewed By (PSC)****Date / Time****12. Reviewed By (OSC)****Date / Time**

Steve Browne

05/27/2015 14:00

D. Sobieski

DVS

05/27/2015 17:00

Chris Gregory

05/27/2015 17:00

ASSIGNMENT LIST

05/27/2015 19:30

ICS 204-CG (Rev.10/07)

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ATTACHMENT ICS 204a
3. Branch Recovery Branch		4. Division/Group/Staging Protection Group			
5. Strike Team/Task Force/Resource(Identifier)		6. Leader	7. Assignment Location		
Team		Team Leader			
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment					
<p>Habitat-specific Measures These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present.</p> <p>Marine</p> <ul style="list-style-type: none"> • Avoid entering kelp beds as much as possible. • Avoid boat traffic traveling near or through flocks of seabirds resting in the water. • Have a wildlife monitor present on all boats. • No spill response activities should take place within 1,000 feet of nesting seabirds. • If a sea otter is observed, keep all response activities as far away from the animal(s) as possible until an expert can be consulted. <p>Riparian</p> <ul style="list-style-type: none"> • Avoid entering wetted areas as much as possible. • Avoid disturbing vegetation as much as possible. • The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission. • During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible. • Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place. • Response activities should avoid or minimize changes in channel morphology. • No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval. • Any listed plant species should be flagged and avoided. • For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures. <p>Sandy Beach/Dune</p> <ul style="list-style-type: none"> • Avoid entering vegetated dune habitat as much as possible. • If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack. • Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour). • Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location. • Manual oil removal techniques should be used as much as possible. • All trash or anything that would attract wildlife to the work area should be removed on a daily basis. • Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species. • For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures. <p>Estuarine</p> <ul style="list-style-type: none"> • Avoid entering wetted habitat as much as possible. • Avoid disturbing vegetation as much as possible. • Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location. • A biologist should be present throughout the duration of the cleanup activities. • Any listed plant species should be flagged and avoided. • A biologist should look for nests and establish suitable buffer areas to prevent impacts. • For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures. <p>Coastal Bluff</p> <ul style="list-style-type: none"> • Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location. • Previously-disturbed areas should be used for equipment staging and vehicle parking to the maximum extent practical. • Any listed plant species should be flagged and avoided. <p>Species-specific Measures These measures are specifically targeted to minimize impacts to listed species during initial response, USFWS should be contacted immediately to provide incident-specific measures to best protect these species.</p> <p>Tidewater goby</p> <ul style="list-style-type: none"> • Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs. • If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies. • Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed 					
10. Prepared By Steve Browne	Date/Time 05/27/2015 14:00	11. Reviewed By (PSC) D. Sobleski	Date / Time 05/27/2015 17:00	12. Reviewed By (OSC) Chris Gregory	Date / Time 05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 19:30		ICS 204-CG (Rev. 10/07)	

on the first day of work and monitored thereafter for the duration of the work.

- Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site.
- If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days.
- Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening.
- Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about the tidewater goby avoidance/ minimization measures to be implemented during the response.

Least Bell's vireos and/or southwestern willow flycatchers

- Disturbance of riparian vegetation should be avoided as much as possible.
- A qualified biologist should conduct surveys within suitable habitat for least Bell's vireos and southwestern willow flycatchers during the nesting season (March 1 – September 15) prior to disturbance of riparian vegetation to identify and establish exclusion buffers around any nests (generally at least 500 feet).
- Manual equipment should be used in occupied habitat as much as possible to minimize disturbance from noise.
- If vegetation removal is required, roots should be left in place as much as possible.
- A qualified biologist should be present as much as possible during activities that impact suitable habitat.

California least tern and/or Western snowy plover

- All responders should be informed of the potential for western snowy plovers and/or California least terns to be impacted and of the avoidance/minimization measures being implemented.
- A qualified biologist should identify areas that may contain nests or chicks, and any entry into these areas should be avoided.
- Any work required within nesting areas should be accompanied by a qualified biologist.
- A qualified biologist should identify and demarcate access and egress routes.
- The number of vehicles and number of vehicle trips should be reduced to the minimum needed to achieve the mission.
- All activities near nests or chicks should occur on the lower beach (wet sand), if possible.
- Watch for and avoid western snowy plovers sheltering in tire tracks and sandy depressions.
- If vehicles are used, speed should be kept to less than 10 mph, and vehicles should remain on the lower beach (wet sand), if possible. If it is not possible to remain on the lower beach (e.g., it is high tide), responders should stop every 100 m and scan ahead with binoculars to look for western snowy plovers and California least terns on the beach.
- The amount of wrack, shells, and natural debris removed from the beach should be minimized. If shoreline pre-cleaning is necessary, debris should be stockpiled in an appropriate location (avoiding nesting locations) and returned to the beach after the threat of oil is gone, to the extent practical.

California red-legged frog

- A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
- All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
- Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
- After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
- After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
- Open excavations and trenches should be covered each night to prevent entrapment of frogs.
- If vegetation removal is necessary, roots should remain in place as much as possible.

9. Communications (radio and/or phone contact numbers needed for this assignment)

- | | | |
|-------------------------------------|--|--------------------------|
| <input type="checkbox"/> Map/ Chart | <input type="checkbox"/> Weather Forecast/Tides/Currents | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobleski <i>JMS</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 19:30	ICS 204-CG (Rev.10/07)	

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
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Emergency Communications

Medical:	911	Evacuation:	911	Other:	911
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10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobieski <i>DS</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 19:12		ICS 204-CG (Rev.10/07)	

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch		4. Division/Group/Staging Pipeline Repair Group			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Grgory	Witt O'Briens	702-802-1849	
Branch Director					
Division/Group Supervisor/STAM		Maggie Walden	U.S. EPA	415-940-1109	
6. Resources Assigned 'X' indicates 204a attachment with additional instructions					
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	Culvert Task Force	Rich Hartwig	562-452-6926	0	18 Pacific Petroleum, 1 Santec, EPA start team (4)
1	Excavation Task force	Maggie Walden	415-940-1109	0	Excavation and Verification team (14), Pacific Petroleum (18), Santac (1), EPA start team (4), Assesment Team (6)
16 (each)	Pressure Washers			0	Excavation Task force
7. Work Assignments					
Excavation Task force will carry out operations as per the Attached Excavation plan.					
Culvert Task Force Shall: -Area 2, Section 2 (Under US 101): fabricate containment berm (see Area 2, section 1 fabrication standards from 5/20/15 Rev-04. -Wash interior of concrete culvert utilizing a rotating pressure wash system, using fresh water to remove all crude oil contaminates until water is visibly clean and clear. Visual concurrence should be verified and witnessed by an authorized environmental representative. Pipeline oil removal operations will continue throughout evening					
8. Special Instructions					
Excavation Task Force Safety Officers and air monitoring shall be present during operations Prior to excavations archeologist shall be consulted and if there are any cultural or historic resource concerns, archeologist shall be present to monitor the operations					
<ol style="list-style-type: none"> 1. A minimum of 25 feet from the potential release locations shall be maintained 2. All recovered oil shall be quantified and disposed of in accordance wit the waste managemnet plan. 					
Volunteers: 1-800-228-4544 Claims: 866-753-3619 Public Affairs/JIC: 805-696-1188 State Park Law Enforcement: 951-443-2969 Sherriff's Dispatch: 805-692-5743					
Instructions for Dead Wildlife and Natural Resource Protection.					
HAZARD MITIGATION					
-All personnel operating in the restricted area shall wear level D (hard hats, safety toe boots, safety glasses, FRC clothing). -Respiratory protection (full face air purifying respirator with OV-P100 cartridges) may be required to be used by all personnel based on continous air monitoring readings. -Engineering controls such as vapor barriers and portable ventilation shall be used in the evacuation area prior to use of respiratory protection. -All personnel are reminded to stay hydrated and take breaks as needed. - Notify Assistant Safety Officer if safety issues arise.					
SAFETY MESSAGE					
All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.					
10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/26/2015 16:22	Dan Sobieski <i>ms</i>	05/26/2015 17:00	Chris Gregory	05/26/2015 17:00
ASSIGNMENT LIST		05/27/2015 18:58		ICS 204-CG (Rev.10/07)	

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq /System/Channel	Phone	Cell/Pager
Emergency Communications			
Medical:	Evacuation:	Other:	

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/26/2015 16:22	Dan Sobleski <i>DS</i>	05/26/2015 17:00	Chris Gregory	05/26/2015 17:00
ASSIGNMENT LIST		05/27/2015 18:58		ICS 204-CG (Rev.10/07)	

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch		4. Division/Group/Staging Law - Security Group			
Task Force/Strike Team		Team			
5. Operational Personnel		Name	Affiliation	Contact#(s)	
Operations Section Chief		Chris Gregory	Witt O'Brien's	702-802-1849	
Branch Director					
Division/Group Supervisor/STAM		Bryan Holmsted			
6. Resources Assigned 'X' indicates 204a attachment with additional instructions					
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	Law Enforcement Team	B. McVay		10	
14	Security Land	B. McVay	805-617-5735	0	Sheriff, State Parks, HCP, Fish and Wildlife
1 (each)	Response Personnel - Security Guard @ Source Site, Night Ops - ISS Security				
1 (each)	Vehicle - Security Vehicle - ISS Security				
1 (each)	Boat - CA Fish & Wildlife 58' Patrol Boat				
4 (each)	Personnel - Patrol Boat Personnel				
1 (each)	Personnel - Security-Law Enforcement Technical Specialist				
1 (each)	Personnel - Night time Security Officer for Wildlife Branch Equipment & Evidence - EI Captain/Del Mar Camp				
7. Work Assignments					
Prevent unauthorized persons from entering or remaining in the spill area. Contact and identify all persons not readily identifiable. Escort any unauthorized person from the area.					
Land units- Contact any unidentified vehicle parked in the area with emphasis on highway 101 where access to the beach can be made. Remove all unauthorized persons and vehicles. Do not loiter on or around the railway.					
Water units- Contact any unidentified vessels entering or in the spill zone. Divert or escort unauthorized vessels from the spill area					
8. Special Instructions					
Identify any persons or vessels that may need decontamination. Personnel are reminded to stay hydrated and work rest regimen as necessary.					
Instructions for Dead Wildlife and Natural Resource Protection.					
Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.					
Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.					
It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.					
Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.					
On Water: Avoid entering kelp beds as much as possible. Avoid boat traffic traveling near or through flocks of seabirds resting on water, stay 1000 ft					
10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/26/2015 14:00	D. Sobleski	05/26/2015 17:00	Chris Gregory	05/26/2015 17:00
ASSIGNMENT LIST		05/27/2015 18:52		ICS 204-CG (Rev.10/07)	

away from nesting seabirds. If sea otter is observed keep clear and call Mike Harris immediately. 831-212-7090

SAFETY MESSAGE

All response personnel are to be cautious of moving vehicles at all times and look in all directions before proceeding. Response personnel should be aware that all railroad tracks are in active use and should show extreme caution when operating in vicinity of tracks.

HISTORICAL/CULTURAL GUIDELINES

- Leave cultural materials in place at the site of discovery, and mark its location.
- Stop clean-up work in the vicinity surrounding the site, within a 6ft radius.
- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
Emergency Communications			
Medical: 911	Evacuation: 911	Other: 911	

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/26/2015 14:00	D. Sobieski <i>DMS</i>	05/26/2015 17:00	Chris Gregory	05/26/2015 17:00
ASSIGNMENT LIST		05/27/2015 18:52		ICS 204-CG (Rev.10/07)	

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1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58		Operational Period Ops Period 8	Assignment List ICS 204-CG
3. Branch		4. Division/Group/Staging SCAT			
Task Force/Strike Team		Team			
5. Operational Personnel		Name		Affiliation	Contact#(s)
Operations Section Chief		D. Sobieski (PSC) and M. Boggs		Craig Hallenar	
Branch Director					
Division/Group Supervisor/STAM		Corey Kong		CDFW-OSPR	562-477-7081
6. Resources Assigned 'X' indicates 204a attachment with additional instructions					
Qty x Size (Unit)	Strike Team/Task Force/Resource Identifier	Leader	Contact#	# Of Persons	Notes
1 (each)	SCAT Team 1	Jennifer Gold	805-450-8695	4	Divisions O&P
1 (each)	SCAT Team 2	Ken Wilson	805-558-1006	4	Divisions Q
1 (each)	SCAT Team 3	Sonia Torres	562-370-6794	4	Division N
1 (each)	SCAT Team 4	Diana Grosso	661-426-5276	4	Division I
7. Work Assignments					
<p>Report to Forward Command Post at Refugio State Park at 0700. Meet at Red Barn. Team 5 will meet at Devereaux Slough POC BM1 Judan Fields 415-559-9985 at SCAT Field Base.</p> <p>Receive assignments, read and sign site safety plan and calibrate.</p> <p>Complete SCAT assignments by 1500 hrs return to ICP at 1600 hrs for briefing with Scat Coordinator.</p> <p>POT report to ICP at 0700 hrs.</p>					
8. Special Instructions					
<p>PPE is available from OPS on scene.</p> <p>Report oiled wildlife to Wildlife Branch Director or Deputy. Refer public wildlife reports to OWCN 877-823-6926</p> <p>Refer all media request to PIO Steve Gonzales 916-539-6129.</p> <p>Refer public wildlife reports to OWCN 877-823-6926.</p> <p>Scat Teams to assess staging and waste stockpiles areas for environmental sensitivity and report back to SCAT coordinator</p> <p>For cultural/Archeological concerns, Sean Ross, Field observer coordinator 415-720-4166 & Lt. Mike Horn, Warden 760-964-2312</p> <p>Volunteers: 888-567-SERV</p> <p>Claims: 866-753-3619</p> <p>Public Affairs/JIC: 805-696-1188</p> <p>State Park Law Enforcement: 951-443-2969</p> <p>Sherriff's Dispatch: 805-692-5743</p> <p>Instructions for Dead Wildlife and Natural Resource Protection:</p> <p>Any LIVE oiled wildlife (birds, mammals, or sea turtles) observed or incidentally collected in clean up operations should be immediately called in to the Wildlife Hotline at 877-823-6926.</p> <p>Any DEAD oiled birds, mammals, or sea turtles observed as part of cleanup operations should be called in to the team's supervisor. Supervisors can instruct the team in separating the oiled animal from the regular waste stream and (ideally) collecting it in a separate plastic bag, labeled with division/assignment area, and called into the Wildlife Hotline at 877-823-6926 for Recovery personnel to arrange pick up.</p> <p>It is critical that clean up teams not dispose of dead marine organisms (invertebrates, crustaceans, anything other than birds or mammals). Stockpile it in a marked area above the high tide line and a Natural Resource Damage Assessment (NRDA) field team will come by around midday/before high tide to ID and catalogue the spill related mortality.</p> <p>Do not initiate any on-shore response or cleanup at Coal Oil Point without consulting the USFWS and California Dept of Fish and Wildlife.</p>					
HISTORICAL/CULTURAL GUIDELINES					
<ul style="list-style-type: none"> • Leave cultural materials in place at the site of discovery, and mark its location. • Stop clean-up work in the vicinity surrounding the site, within a 6ft radius. 					
10. Prepared By		Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)
Steve Browne		05/27/2015 14:00	D. Sobieski	05/27/2015 17:00	Chris Gregory
ASSIGNMENT LIST		05/27/2015 19:50			ICS 204-CG (Rev.10/07)

- Immediately inform the field supervisor, who in turn, should immediately inform the FOSC and/or an appropriately designated cultural resource specialist. Obtain/provide location on map by indicating latitude/longitude.

Report All Injuries require a immediate notification to Direct Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

Name/Function	Radio Freq./System/Channel	Phone	Cell/Pager
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Emergency Communications

Medical:	911	Evacuation:	911	Other:	911
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10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobieski <i>DS</i>	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 19:50	ICS 204-CG (Rev.10/07)	

1. Incident Name Refugio Incident	2. Operational Period (Date/Time) From 05/28/2015 06:00 To 05/29/2015 05:58	Operational Period Ops Period 8	Assignment List ATTACHMENT ICS 204a
3. Branch	4. Division/Group/Staging SCAT		
5. Strike Team/Task Force/Resource(Identifier)	6. Leader	7. Assignment Location	
Team	Team Leader		
8. Work Assignment Special Instructions, Special Equipment/Supplies Needed for Assignment SCAT MINIMIZATION MEASURES Habitat-specific Measures These measures are intended to minimize impacts to all biological resources within the habitat and should be implemented to the extent possible regardless of whether listed species are present. Marine <ul style="list-style-type: none"> • Avoid entering kelp beds as much as possible. • Avoid boat traffic traveling near or through flocks of seabirds resting in the water. • Have a wildlife monitor present on all boats. • No spill response activities should take place within 1,000 feet of nesting seabirds. • If a sea otter is observed, keep all response activities as far away from the animal(s) as possible until an expert can be consulted. Riparian <ul style="list-style-type: none"> • Avoid entering wetted areas as much as possible. • Avoid disturbing vegetation as much as possible. • The number of access routes, size of staging areas, and the total area of the response should be limited to the minimum necessary to achieve the mission. • During the typical breeding season for riparian birds (March 1 – September 15), a biologist should survey riparian vegetation to identify, flag and avoid nests as much as possible. • Vegetation should be hand trimmed to remove affected portions as necessary; roots should be left in place. • Response activities should avoid or minimize changes in channel morphology. • No heavy equipment (bobcats, back hoes, etc.) or earth moving in, or next to the creek shall be used without prior DFW approval. • Any listed plant species should be flagged and avoided. • For areas potentially occupied by California red-legged frogs, least Bell's vireos, southwestern willow flycatchers, see species-specific minimization measures. Sandy Beach/Dune <ul style="list-style-type: none"> • Avoid entering vegetated dune habitat as much as possible. • If vehicle traffic is required in the beach, travel should be restricted to the wet sand as much as possible and should avoid driving over wrack. • Vehicle traffic should be operated at slow enough speeds to avoid/minimize impacts to wildlife (approximately 5 to 10 miles per hour). • Use pre-existing access routes through dune habitat; if new access routes are necessary a biologist should be consulted on their location. • Manual oil removal techniques should be used as much as possible. • All trash or anything that would attract wildlife to the work area should be removed on a daily basis. • Dead oiled wildlife should be removed or buried to minimize the secondary oiling of scavenging species. • For areas potentially occupied by western snowy plovers and/or California least terns, see species-specific minimization measures. Estuarine <ul style="list-style-type: none"> • Avoid entering wetted habitat as much as possible. • Avoid disturbing vegetation as much as possible. • Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location. • A biologist should be present throughout the duration of the cleanup activities. • Any listed plant species should be flagged and avoided. • A biologist should look for nests and establish suitable buffer areas to prevent impacts. • For areas potentially occupied by tidewater gobies or light-footed clapper rails, see species-specific minimization measures. Coastal Bluff <ul style="list-style-type: none"> • Utilize existing access routes; if new access routes are necessary a biologist should be consulted on their location. • Previously-disturbed areas should be used for equipment staging and vehicle parking to the maximum extent practical. • Any listed plant species should be flagged and avoided. Species-specific Measures These measures are specifically targeted to minimize impacts to listed species during initial response, USFWS should be contacted immediately to provide incident-specific measures to best protect these species. Tidewater goby <ul style="list-style-type: none"> • Equipment and foot traffic entering wetted areas should be avoided to the maximum extent practical to prevent crushing tidewater gobies, their burrows, and eggs. • If supplemental water is used to flush culverts recommend gradually increasing the intensity/volume during the flush, as tidewater gobies aren't strong swimmers and could be injured or killed if there were sudden high currents. As the flow is being gradually increased, a biologist should be monitoring the culvert exit for tidewater gobies. 			
10. Prepared By Steve Browne	Date/Time 05/27/2015 14:00	11. Reviewed By (PSC) D. Sobieski	Date / Time 05/27/2015 17:00
		12. Reviewed By (OSC) Chris Gregory	Date / Time 05/27/2015 17:00
ASSIGNMENT LIST		05/27/2015 19:50	
		ICS 204-CG (Rev. 10/07)	

- Prior to initiation of any dewatering or diversions, a qualified biologist should install 1/8 inch block nets outside the impact areas to exclude tidewater gobies. If widely separated sites are involved, more than one set of block nets should be placed to protect the work area. The nets should be installed on the first day of work and monitored thereafter for the duration of the work.
- Once the block nets are secured, qualified biologist(s) should remove all tidewater gobies found between the block nets using a 1/8 inch seine and dip nets, and relocate tidewater gobies to suitable habitat downstream of the proposed project site.
- If activities requiring block nets cannot be completed in one day, a new set or successive sets of block nets should be deployed each day, and subsequent surveys and capture/relocation performed accordingly. Fish released from one day's work should not be released into areas projected to be excavated on successive days.
- Should dewatering occur, any pumps used should be fitted with an anti-entrapment device(s) to prevent tidewater gobies from being drawn into the pump or impinged on intake screening.
- Prior to initiation of activities within occupied habitat, an informal tailgate session should be performed in order to inform response personnel about the tidewater goby avoidance/ minimization measures to be implemented during the response.

Least Bell's vireos and/or southwestern willow flycatchers

- Disturbance of riparian vegetation should be avoided as much as possible.
- A qualified biologist should conduct surveys within suitable habitat for least Bell's vireos and southwestern willow flycatchers during the nesting season (March 1 – September 15) prior to disturbance of riparian vegetation to identify and establish exclusion buffers around any nests (generally at least 500 feet).
- Manual equipment should be used in occupied habitat as much as possible to minimize disturbance from noise.
- If vegetation removal is required, roots should be left in place as much as possible.
- A qualified biologist should be present as much as possible during activities that impact suitable habitat.

California least tern and/or Western snowy plover

- All responders should be informed of the potential for western snowy plovers and/or California least terns to be impacted and of the avoidance/minimization measures being implemented.
- A qualified biologist should identify areas that may contain nests or chicks, and any entry into these areas should be avoided.
- Any work required within nesting areas should be accompanied by a qualified biologist.
- A qualified biologist should identify and demarcate access and egress routes.
- The number of vehicles and number of vehicle trips should be reduced to the minimum needed to achieve the mission.
- All activities near nests or chicks should occur on the lower beach (wet sand), if possible.
- Watch for and avoid western snowy plovers sheltering in tire tracks and sandy depressions.
- If vehicles are used, speed should be kept to less than 10 mph, and vehicles should remain on the lower beach (wet sand), if possible. If it is not possible to remain on the lower beach (e.g., it is high tide), responders should stop every 100 m and scan ahead with binoculars to look for western snowy plovers and California least terns on the beach.
- The amount of wrack, shells, and natural debris removed from the beach should be minimized. If shoreline pre-cleaning is necessary, debris should be stockpiled in an appropriate location (avoiding nesting locations) and returned to the beach after the threat of oil is gone, to the extent practical.

California red-legged frog

- A qualified biologist should survey the work area prior to the onset of response activities to identify California red-legged frog egg masses, tadpoles, juveniles and adults.
- All egg masses should be avoided as much as possible and should only be relocated by a qualified biologist if oiling is imminent or response activities are sure to injure or kill the eggs.
- Tadpoles, juveniles and adults that could be injured or killed by exposure to oil or response activities should be relocated by a qualified biologist to a nearby suitable habitat that would not be impacted by response activities (ideally, upstream in the same drainage, or in the same watershed).
- After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected daily and should not be expected to completely prevent re-entry.
- After California red-legged frogs have been relocated outside of the work area, exclusion fencing (silt fence or similar) can be installed to minimize frogs from re-entering the work area. Fences should be inspected by a qualified biologist each morning and should not be expected to completely prevent re-entry.
- Open excavations and trenches should be covered each night to prevent entrapment of frogs.
- If vegetation removal is necessary, roots should remain in place as much as possible.

9. Communications (radio and/or phone contact numbers needed for this assignment)

- | | | |
|-------------------------------------|--|--------------------------|
| <input type="checkbox"/> Map/ Chart | <input type="checkbox"/> Weather Forecast/Tides/Currents | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

10. Prepared By	Date/Time	11. Reviewed By (PSC)	Date / Time	12. Reviewed By (OSC)	Date / Time
Steve Browne	05/27/2015 14:00	D. Sobieski	05/27/2015 17:00	Chris Gregory	05/27/2015 17:00
ASSIGNMENT LIST			05/27/2015 19:50	ICS 204-CG (Rev.10/07)	

1. Incident Name
Refugio Incident

2. Operational Period (Date/Time)
As of: 0525 1530 hrs

COMMUNICATIONS LIST
ICS 205A-CG

3. Basic Local Communications Information

Last Name	First Name	Organization	Phone
Abbey	Zach	Stantec	(805) 444-9262
Abe	Kelly	Ca Fish & Wildlife	(916) 216-3964
Abrams	Ricard	COEM	(805) 896-6371
Adam	Peter	SB Co Supervisor	
Addassi	Yvonne	OSPR	(916) 956-1162
Albrough	John	Coast Guard	(415) 596-3542
Alcantara	Eduardo	Coast Guard	(520) 223-2759
Alton	Joshua	Coast Guard	(503) 931-3816
Amon	George	Coast Guard	(262) 995-8188
Andersen	Ryan	Plains	(281) 224-9891
Anderson	Andrea	Coast Guard	(405) 833-3068
Anderson	Kile	Worley	(225) 266-4482
Angus	Deana	NOAA	(408) 623-5323
Armstrong	Greg	Plains	(713) 646-4100
Arndt	Elsa	SB OEM	(805) 681-5524
Arrington	Bill	US DOT	(909) 677-7049
Arrington	Eleanor	UC SB	(585) 698-6296
Backus	Dave	CTEH	(901) 496-6658
Bafia	John	Coast Guard	(202) 725-6364
Bailey	Julie	NOAA	(805) 235-8022
Baker	Phil	CTEH	(501) 804-8138
Barbier	Brian	Applied Earthworks	(530) 848-3253
Barnum	Gary	Coast Guard	(714) 742-4279
Barriga	Gonzalo	LA FD Inv	(213) 725-8862
Bassin	Rich	Coast Guard	(732) 433-0380
Beal	John	Coast Guard	(440) 315-0765
Beene	Jamie	ISS	(903) 570-8958
Benninghoven	Sheri	Co SB CEO	(805) 450-4886
Berg	Catherine	NOAA	(907) 529-9157
Bergeron	Jason	WOB	(281) 414-7742
Berman-Kowalewski	Michelle	NOAA	(805) 896-0858
Bernard	Matt	Stantec	(401) 369-4355
Birg	Mike	CTEH	(501) 517-5712
Bishop	Jonathan	Ca Coastal Comm	(415) 693-8375
Black	Ned	US EPA	(415) 686-3994
Black	Dianne	Co Santa Barbara	(805) 886-4367
Blackerby	Hillary	CERT	(760) 285-7025
Blom	Greg	Coast Guard	(714) 655-2454
Bode	Denise	Plains	(405) 818-1775
Boelhouwer	Steve	SB ICT	(805) 568-2656

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COMMUNICATIONS LIST
ICS 205A-CG

Boes	Richard	Coast Guard	(202) 494-3557
Boggs	Melissa	Ca Fish & Wildlife	(805) 558-1005
Boisen	Kent	SBCFD	(805) 755-3120
Bonham	Chuck	Ca Fish & Wildlife	
Bontty	Mona	COES	(562) 673-0411
Borlas	Chris	Applied Earthworks	(772) 453-1074
Bosma	Bonnie	CERT	(805) 455-7572
Boyce	Jen	NOAA	(562) 243-4696
Boyd	Shawn	Ca OES	(916) 201-7666
Boyes	Edward	WOB	(562) 760-6940
Braund	Trevor	Clean Seas	(954) 294-5597
Brazer	Mara	Brazer Comm	(415) 305-6677
Bronson	Collin	Coast Guard	(562) 879-1141
Broughton	Julie	Stantec	(805) 405-5851
Browne	Steve	WOB	(516) 457-2571
Bryant	Wade	C-K Associates	(404) 630-2123
Brzuska	Donald	Coast Guard	(510) 333-6297
Buchanan	James	Plains	(661) 437-1459
Buttram	Andrew	Pacific Petro	(805) 680-3809
Byrd	Brian	Plains	(601) 467-5266
Byrd	Mary	EPIC	(805) 961-8833
Cabral	Santos	Ca Fish & Wildlife	(949) 289-2928
Caddell	Steven	Plains	(562) 607-7991
Cadenhead	Steve	WOB	(850) 605-6046
Caesar	Jim	UCSB	(805) 450-1437
Cafasso	Sarah	US EPA	(978) 944-1946
Caillouet	Josh	CTEH	(985) 637-1220
Calanog	Steve	US EPA	(415) 595-8350
Caliguire	Mike	Patriot Environmental	(510) 965-3691
Callister	Tim	Coast Guard	(253) 444-7651
Caraway	Katy	Coast Guard	(505) 400-6304
Carbajal	Salud	SB Co Supervisor	
Carreon	Michel	Coast Guard	(609) 439-3219
Carswell	Lilian	US Fish & Wildlife	(805) 612-0975
Castro	Guy	Plains	(562) 756-2647
Cazier	Josh	SBCFD	(805) 896-6333
Chafey	Suzette	CERT	(805) 452-2677
Chang	Lena	US Fish & Wildlife	(818) 389-3156
Chastain	Dennis	Ca Fish & Wildlife	(562) 505-8988
Chavez	Andrew	BCM	(805) 316-0087
Chickering	Robert	Adv BioCatalytics	(949) 887-9509
Christensen	Shellee	Coast Guard	(541) 999-0156

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ICS 205A-CG

Chuop	Khamly	Stantec	(510) 999-0647
Clark	Heather	Coast Guard	(251) 680-7911
Cochran	Nick	EPA Start	(858) 335-8392
Cohen	Scott	Ca Fish & Wildlife	(805) 207-6312
Conely	Mike	Ca Fish & Wildlife	(559) 974-5837
Connell	Mike	Ca Fish & Wildlife	(805) 331-1867
Conway	Eric	Coast Guard	(727) 698-8370
Cook	Randy	WOB	(909) 204-0445
Corbo	Christian	Ca Fish & Wildlife	(310) 864-5299
Cork	Don	CERT	(805) 403-0715
Costlow	Jeremy	ISS	(903) 714-6172
Council	Jim	Coast Guard	(954) 649-4192
Cox	Gery	OSPR	(805) 801-9272
Craddock	Spike	Patriot Environmental	(805) 680-2050
Crafton	Stephen	Co Santa Barbara	(805) 453-1089
Creighton	Kent	Patriot Environmental	(562) 310-6969
Crider	Ryan	Plains	(504) 453-9724
Crochet	William	Plains	(281) 536-8172
Crooks	Patrick	Stantec	(805) 637-2742
Crossland	Mark	Ca Fish & Wildlife	(805) 550-2729
Cullen	Thomas	OSPR	(510) 517-8314
Cummings	Stacy	NOAA	(202) 440-3521
Dabney	Rory	WOB	(503) 467-6224
Daniel	Travis	Coast Guard	(850) 696-9204
Darst	Cat	US Fish & Wildlife	(805) 607-9937
Davis	Cory	CTEH	(501) 258-7881
Dayton	Jeff	OSPR	(707) 498-0518
Delgado	Ruben	Patriot Environmental	(562) 244-4408
Dellith	Chris	US Fish & Wildlife	(805) 644-1766
Deppe	Darlene	Ca State Parks	(805) 338-0172
Diamond	Walter	OMI	(504) 236-0085
Dibenedetto	John	US DOE	(805) 681-2240
Dicken	Ian	SB ICT	(805) 315-5256
Diel	Chris	US Fish & Wildlife	(805) 223-1718
Dinarte	Rudy	Applied Earthworks	(760) 490-3413
Dixon	Anna	Coast Guard	(510) 557-7104
Doane-Allmon	Julie	Plains	(805) 455-5042
Donohoe	Regina	Ca Fish & Wildlife	(916) 616-0723
Donohue	Keith	Coast Guard	(415) 320-5345
Dorsey	Matt	NOAA	(315) 278-0922
Doss	Ryan	Coast Guard	(305) 542-8127
Dostal	Jamie	Ca Fish & Wildlife	(805) 207-6453

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ICS 205A-CG

Doty	Ima	OSPR	(916) 215-3858
Downey	Charlene	Coast Guard	(310) 707-7381
Draguesku	Colleen	US Fish & Wildlife	(949) 378-6513
Dugan	Jenny	OSPR	(805) 455-6165
Dugger	Roy	Applied Earthworks	(805) 757-1742
Dumont	Shana	Stantec	(587) 336-2957
Dunn	Chris	Stantec	(805) 813-0798
Dyer	Michael	SB OEM	(805) 681-5526
Edelson	David	Coast Guard	(609) 556-5212
Ellerbe	Robin	Coast Guard	(510) 388-0507
Elliott	Bonnie	CERT	(805) 682-7072
Encinas	Liliana	SBCFD	(805) 284-2045
Engle	John	OSPR	(805) 705-1768
Erlandson	Jon	Historical Dynamics	(541) 285-7346
Esparza	Bea	WCES	(562) 244-1211
Etre	Neal	NOAA	(617) 416-3555
Fardig	Thomas	Stantec	(805) 341-2396
Fargas	Dawn	SB County	(805) 403-0688
Farr	Doreen	SB Co Supervisor	
Faurot-Daniels	Ellen	Ca Fish & Wildlife	(831) 233-0723
Fearon	Anne	Co Santa Barbara	(805) 835-5718
Fenske	Jacob	CTEH	(501) 584-8239
Ferguson	Kelly	SYBCI	(805) 245-6294
Ferguson	John	NOAA	(805) 341-0422
Fields	Judah	Coast Guard	(415) 559-9985
Fitzgerald	Tara	EPA START	(650) 784-1633
Fletcher	Chelsea	Ca State Parks	(805) 705-6228
Flolid	Nick	CRA	(651) 233-3731
Folkes	Isa	COCC	(805) 506-1227
Ford	Bob	Ca Fish & Wildlife	(916) 508-2863
Fordham	Randy	Plains	(661) 332-9164
Foreman	Peter	CTEH	(501) 258-0582
Foss	Steve	OSPR	(916) 416-8908
Foto	James	OSPR	(310) 683-3032
Frangis	Alexis	Ca DPR	(805) 207-9469
Frash	Jason	BRI	(805) 758-8301
Fribert	Christina	Applied Earthworks	(201) 615-2751
Fricke	Mary	Ca Fish & Wildlife	(916) 417-0210
Fry	Jeff	Coast Guard	(805) 896-6789
Fula	Luis	US EPA	(562) 913-2838
Fula Jr	Luis	US EPA	(562) 546-9858
Fusilier	Warren	Plains	(713) 201-3911

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ICS 205A-CG

Gallant	Natasha	OSPR	(916) 716-1665
Garcia	Janet	Chumash CBCN	(805) 451-8757
Garcia	Quntan	COCC	(805) 835-2328
Garcia	Henry	ACTI	(661) 979-8677
Garcia	Tawnee	COCC	(805) 806-5839
Garcia	Sau	Ca Fish & Wildlife	(562) 843-2714
Garcia	Paco	CERT	(805) 451-6586
Gardner-Cox	Peter	WOB	(206) 914-5131
Garner	Tom	CERT	(805) 689-5438
Garrett	Richard	Coast Guard	(804) 356-7336
Geis	Robert	Co Santa Barbara	(805) 896-4210
Gellerman	Holly	OSPR	(916) 747-0611
Geraghty	Brandon	WOB	(562) 217-0791
Ghilarducci	Mark	Ca OES	
Ghizzoni	Mike	SB Co Counsel	
Gibson	Desmond	US DOT	(562) 484-8851
Gibson	Steve	OSPR	(562) 598-2849
Gicuhi	Ngiabi	Plains	(562) 489-6466
Gilliland	Ken	Stantec	(805) 290-0541
Giovanacci	Anthony	SB OEM	(805) 636-6983
Glick	Michael	BRI	(805) 450-6487
Goglia	Michael	Coast Guard	(610) 517-2318
Gold	Jennifer	Ca Fish & Wildlife	(805) 450-8695
Gonzales	Jo Anne	Plains	(661) 336-7901
Gore	Dean	Plains	(713) 498-5760
Gorham	Bill	Plains	(805) 377-9336
Gorman	Mark	Plains	(713) 725-1193
Green	Jerry	Plains	(432) 638-3172
Greene	Melinda	Co Santa Barbara	(805) 689-9276
Greenman	Justin	NOAA	(815) 354-1864
Greer	Matt	Plains	(661) 204-7661
Gregory	Gary	WOB	(714) 642-3496
Gregory	Chris	WOB	(702) 802-1849
Gregory	Mark	Coast Guard	(415) 720-4165
Grennan	James	Ca State Parks	(805) 909-1219
Grimmasey	Suzanne	SB ADMHS	(805) 886-5403
Grosso	Diana	CDFW	(661) 426-5276
Guevara	Pastor	COES	(562) 338-8440
Gustafson	Guphy	OSPR	(916) 743-3837
Guzman	Jason	Patriot Environmental	(805) 755-3322
Guzzardi	Joe	COEM	(805) 681-5542
Ha	Ruth	Plains	(562) 221-3937

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ICS 205A-CG

Haffner	Craig	OSPR	(707) 718-6948
Hagan	Julia	BSSE	(805) 377-3872
Hager	Dan	Coast Guard	(912) 508-1569
Haley	Sean	Coast Guard	(954) 249-3190
Hamilton	Paul	Ca Fish & Wildlife	(530) 713-1517
Hanson	Renn	NOAA	(206) 949-8025
Hartig	Rich	Plains	(562) 453-6926
Hastings	Sean	NOAA	(805) 705-1790
Haug	Tom	WOB	(562) 217-3511
Hawley	Georganna	Applied Earthworks	(805) 760-3175
Headrick	Tylor	SB OEM	(917) 723-3441
Heddinger	Holly	Coast Guard	(707) 267-5576
Henderson	John	US Fish & Wildlife	(916) 799-0588
Henkel	Laird	OSPR	(831) 212-7665
Henning	Kik	Stantec	(805) 995-4050
Hernandez	Juan	Coast Guard	(310) 592-3671
Hicks	Eric	Stantec	(619) 246-0951
Hiltz	Jim	Coast Guard	(734) 634-7696
Hjelstrom	Eric	Ca DPR	(805) 331-2740
Hochleutner	John	Pacific Petro	(805) 260-5000
Hodgins	Patrick	Plains	(281) 467-3658
Holland	Lora	Coast Guard	(409) 527-2022
Holmes	John	ACTI	(310) 734-9125
Holt	Jesse	Plains	(918) 521-9421
Hooper	Michael	LA OEM	(213) 792-4237
Hoover	Kelly	SBSO	(805) 636-3478
Hoppa	Kristin	Applied Earthworks	(310) 266-0295
Hopper	Deborah	CERT	(805) 735-1560
Horn	Michael	OSPR	(760) 964-2312
Hubbard	David	OSPR	(805) 698-1119
Huston	Kelly	Ca OES	(916) 607-7657
Huyett	JB	NOAA	(410) 940-9933
Ikerd	Ike	Clean Seas	(805) 455-5500
Imai	Randy	OSPR	(916) 826-5271
Isha	Luhui	Wishtoyo	(805) 729-7692
Islava	Bill	Flamesniffer	(805) 418-7979
Jackson	Rob	Coast Guard	(562) 303-8276
Jacobs	Todd	NOAA	(805) 455-1981
Jacoby	James	Plains	(562) 305-2406
Janousek	Matt	Plains	(805) 320-4592
Jaques	Deborah	CDFW	(503) 298-0599
Jellison	Kyle	WOB	(954) 218-4935

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ICS 205A-CG

Joab	Bruce	Ca Fish & Wildlife	(916) 826-0166
Johnson	Seth	Coast Guard	(646) 417-0335
Johnson	Amanda	Ca Fish & Wildlife	(916) 539-8040
Johnson	Cathy	US Fish & Wildlife	(916) 622-3163
Johnson	Curt	WOB	(774) 238-2660
Johnston	Jason	Co Santa Barbara PHD	(805) 315-5805
Jolly	Michael	Coast Guard	(916) 494-9201
Jolly	Danica	Coast Guard	(575) 581-0060
Jones	Paul	Coast Guard	(415) 720-4171
Jones	Steve	Special Tech Lab	(805) 403-5603
Jung	Mike	Arcadis	(626) 658-1104
Kaplan	Steven	Plains	(281) 460-6744
Kaplan	Erin	Plains	(713) 398-4767
Katchmar	Peter	US DOT	(303) 807-8458
Kelly	Tami	Plains	(925) 640-9997
Kelly	Sean	Ca Fish & Wildlife	(707) 322-2176
Kerr	Jim	Stantec	(303) 807-4702
Kiatos	Jim	OSPR	(562) 343-8363
Kimura	Scott	OSPR	(805) 550-1449
King	Erik	Coast Guard	(607) 341-3331
Kippes	Lanny	Plains	(562) 221-4510
Kirkwood	Neil	Co Santa Barbara	(805) 331-3836
Kivenson	Veronika	UC SB	(646) 385-3626
Klaib	Jennifer	Stantec	(805) 704-8036
Klein-Rothschild	Susan	Co Santa Barbara	(805) 896-1057
Kliethermes	Derek	CTEH	(573) 673-3183
Kong	Corey	Ca Fish & Wildlife	(562) 477-7081
Kontos	Michael	Plains	(213) 663-9784
Kuhn	Justin	Coast Guard	(859) 455-6624
Kushnerov	Valerie	City of Goleta	(805) 689-8044
LaCaze	John	WOB	(281) 907-1483
LaDuke	Yvette	COES	(714) 330-1026
LaMoria	Brian	Coast Guard	(443) 834-6302
Lankford	Jeff	NOAA	(206) 799-1671
Lapiers	Spencer	UPRR	(714) 321-5413
Larson	Terry	US DOT	(303) 513-7026
Laughlin	Lauren	Coast Guard	(216) 385-6312
Lavagnino	Steve	SB Co Supervisor	
Lavin-Jones	Joy	OSPR	(916) 616-0355
Lawrence	Kyle	CTEH	(501) 366-2698
Leaon	Sharron	Ca Volunteers	(916) 834-0846
Leaver	Robert	Co Santa Barbra IT	(805) 636-3715

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ICS 205A-CG

Leavitt	Andrew	Arcadis	(401) 829-6628
Ledig	David	BLM	(831) 630-5006
Leggett	Jeremy	Coast Guard	(415) 419-1256
Leggett	Chris	IEC	(603) 892-1064
Lehr	Kathryn	AECOM	(805) 366-2747
Leifer	Ira	BRI	(805) 252-3636
Lemkau	Karin	UC SB	(937) 681-0315
Lemon	Jill	Coast Guard	(509) 430-7935
Leone	Brad	Plains	(281) 806-9911
Liberts	Stacy	Co Santa Barbara	(805) 451-8468
Lipton	Scott	OSPR	(916) 798-5087
Little	Annie	US Fish & Wildlife	(760) 522-2567
Liverman	Marshall	Coast Guard	(214) 755-9017
Long	Lloyd	CTEH	(501) 258-7139
Lopez	Barbara	BBCI	(805) 689-9528
Loyst	Dennis	City of Goleta	(805) 962-0763
Lumpkin	Mike	CTEH	(501) 366-8304
Luzader	John	Coast Guard	(805) 455-1754
Lyons	David	Ca Fish & Wildlife	(562) 666-5039
Majel	Lucia	COCC	(951) 514-9789
Majel	Jolene	COCC	(951) 520-6948
Malone	Jacob	BBCI	(805) 689-6884
Marek	Jenny	US Fish & Wildlife	(805) 402-6612
Martinez	Jacqueline	Ca OES	(714) 520-1833
Martins	Pedro	WOB	
Marvin	Karen	Plains	(562) 756-2575
Mason	Mark	Stantec	(805) 341-1492
Mati	Waiya	Wishtoyo	(805) 794-1248
Matthews	Rom	Coast Guard	(310) 560-3891
Matthews	Meredith	Plains	(281) 217-0042
Mayberry	Robert	Ca OES	(916) 201-3739
McCaw	Paul	SB EHS	(805) 896-6344
McClellan	Sheridan	Coast Guard	(860) 326-4334
McCleneghan	Kim	OSPR	(916) 956-6603
McClure	Mark	Louis Mizota & Co	(805) 452-2405
McGlinchey	Yolanda	City of Santa Barbara	(805) 331-2414
Mcgowan	Kevin	VCOES	(805) 797-6450
McKenna	Cameron	Flamesniffer	(805) 418-7979
McKenzie	Thomas	Coast Guard	(202) 716-9181
McKinney	Tyson	Ca DOGGR	(805) 440-7280
McLane	Tom	Plains	(832) 584-3314
McLaurin	Don	Coast Guard	(949) 300-9889

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ICS 205A-CG

McMichael	Rick	Plains	(713) 254-5385
McMorran	Robert	US Fish & Wildlife	(951) 532-5904
McVay	Brad	SB Sheriff	(805) 617-5735
Mello	Joe	Ca Fish & Wildlife	(209) 595-5504
Mendoza	Andrew	SYCM	(805) 451-0513
Merrick	Dustin	Applied Earthworks	(805) 458-8714
Messer	Ishmael	Ca OES	(805) 358-1123
Michel	Jacqueline	NOAA	(803) 513-5650
Mikes	Tina	OMI	(832) 347-0071
Milbury	Jim	NOAA	(310) 245-7114
Milton	Brian	EPA Start	(510) 332-4439
Mitchell	Fred	Ponder	(707) 301-1823
Miyasato	Mona	SB Co CEO	
Miyasato	Mono	Co Santa Barbara	(805) 568-3404
Mizota	Louse	Coast Guard	(805) 252-6427
Mobley	Chris	NOAA	(805) 259-6540
Moe	Sean	Ca Fish & Wildlife	(619) 322-3989
Mogharabi	Nahal	US EPA	(213) 514-4361
Mohos	Joseph	NRDA	(818) 601-3024
Monahan	Eileen	SB County	(805) 451-8720
Mooney	Dan	OSHA	(925) 202-7485
Moore	Andrea	OSPR	
Moore	Kelly	SB Co Sheriff	(805) 689-9629
Morello	Paul	BCM	(805) 743-1805
Morello	Eddie	BCM	(805) 291-2342
Morello	Patricia	BBCI	(805) 617-9891
Morello	Nikki	BCM	(805) 734-7926
Morello Jr.	Eddie	BCM	(805) 291-1263
Morey	Mark	US DOE	(805) 698-8244
Mosley	Dave	Patriot Environmental	(661) 340-7177
Mosley	David	Coast Guard	(206) 819-9154
Mostellar	Sally	CTH	(251) 402-2630
Moynard	Patrick	VCOS	(805) 797-3623
Munns	Ann	Applied Earthworks	(805) 451-5825
Munoz Pena	Joel	OC&C	(562) 824-6151
Murphy	Don	WOB	(516) 996-7348
Murphy	Cindy	OSPR	(916) 616-4515
Murray	Matt	Co Santa Barbara	(805) 452-3802
Murray	Ken	SBCFD	(805) 896-6411
Muskat	Judd	OSPR	(916) 216-1301
Myers	Douglas	Plains	(917) 750-1464
Myers	Christopher	EPA START	(720) 837-0690

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COMMUNICATIONS LIST
ICS 205A-CG

Navarro	Ray	SBCFD	(805) 896-6403
Navarro	James	SYBCI	(805) 636-4949
Navarro	Christina	Applied Earthworks	(661) 487-7277
Nepote	John-Paul	Plains	(925) 765-3177
Newcomb	Michelle	Applied Earthworks	(805) 757-8820
Newkirk	Andy	City of Goleta	(603) 969-1482
Newquist	Lori	COES	(916) 508-5648
Nicchitta	Andrew	Padre	(626) 818-2421
Nichols	Keith	C-K Assoc	(225) 252-6526
Nisich	Terri	Co Santa Barbara	(805) 450-8296
Nocerino	Eric	Applied Earthworks	(720) 883-6507
Nocker	Nicolas	Co Santa Barbara	(805) 637-1970
Norris	Anastasia	OSPR	(310) 310-9917
Norris	Wyn	OMI	(281) 795-5767
Nosbaum	Mike	WOB	(707) 601-6892
O' Leary	Mariana	Coast Guard	(757) 567-8731
Oaks	Steve	SBCFD	(805) 451-6801
O'Gorman	Mary	SB Co Supervisor	(805) 568-2191
O'Leary	Tim	WOB	(281) 352-7740
Olmstead	Brian	SB Sheriff	(805) 452-7756
Orr	Howard	SBCFD	(805) 794-5102
Ortega	Marcos	Ca State Parks	(805) 331-4144
Osborne	Bob	Plains	(661) 979-7003
Ostrowski	Henry	NOAA	(805) 387-0905
Palmer	Darren	Plains	(661) 978-4915
Panasiuk	James	CTEH	(501) 952-3972
Patterson	Donald	SB OEM	(805) 696-1191
Pavel	Kai	Stantec	(805) 648-1499
Pejhan	Marko	BRI	(805) 705-1385
Peltier	Guy	Plains	(281) 217-0012
Perez	Rick	COCC	(805) 207-7162
Perez	Peuyoko	COCC	(805) 231-0229
Perez	Vince	Coast Guard	(843) 209-0046
Perez Jr	Rick	COCC	(805) 444-9354
Peterson	Robert	Applied Earthworks	(805) 588-2364
Phillips	Jeff	US Fish & Wildlife	(415) 652-6502
Pina	Marushka	WOB	
Plaza	Matt	Ca Fish & Wildlife	(831) 601-3604
Poch	Ben	ISS	(318) 218-6888
Poen	Nicholas	Coast Guard	(808) 778-0042
Posekian	Keith	Stantec	(805) 338-5650
Poulter	Simon	Stantec	(805) 701-1581

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COMMUNICATIONS LIST
ICS 205A-CG

Pryor	Rachel	NOAA	(206) 379-2454
Puckett	Tony	Plains	(713) 306-3298
Putih	Zubir	CERT	(818) 618-6818
Quarterman	Vossey	Worley	(985) 237-9277
Quinones	Joseph	BCM	(805) 259-8926
Quinones	Ray	BCM	(805) 667-9666
Race	Steve	Plains	(818) 400-9802
Race	Mike	Plains	(818) 631-8094
Radcliff	Keith	ISS	(903) 721-5030
Randall	Kathy	Plains	(805) 657-6764
Rangel	Alonzo	COCC	(805) 861-3373
Reese	Michael	NRC	(516) 982-5752
Reitherman	Bruce	SBCO Energy	(805) 959-4680
Rendon	Ruben	Plains	(562) 843-3560
Rennick	Greg	COES	(562) 577-8503
Reyes	Adam	OSPR	(916) 869-5116
Reyes-Martin	Luz	City of Goleta	(714) 501-7158
Riedel	Jim	NRC	(206) 550-0648
Roberts	StephAnnie	Stantec	(805) 427-4873
Robinson	Tiana	Stantec	(519) 505-3438
Robles	Armando	Plains	(713) 376-6290
Rockabrand	Ryan	SBC OEM	(805) 330-5080
Rogers	Richard	Ca Fish & Game Comm	(805) 455-2944
Rogow	Michelle	US EPA	(415) 595-8347
Romero	Amado	Applied Earthworks	(805) 680-6949
Rommel	Brian	Plains	(832) 248-8771
Romo	Ben	SB County	(805) 680-7623
Root	Roger	US Fish & Wildlife	(805) 701-5754
Root	Mary	US Fish & Wildlife	(805) 646-4748
Ross	Shaun	Coast Guard	(415) 720-4166
Ruder	Mark	Plains	(661) 910-4105
Rudley	Mike	Patriot Environmental	(562) 244-2270
Russell	Evan	Coast Guard	(251) 635-2235
Ryman	Dana	CTEH	(409) 692-0387
Saavedra	Ashley	Plains	(510) 260-9092
Sandoval	Samantha	BBCI	(916) 678-2022
Santonil	Malinda	OSPR	(562) 499-9699
Santy	Jenna	Applied Earthworks	(858) 774-6956
Sargis	Brian	Coast Guard	(858) 531-7087
Sawant	Anuya	Stantec	(805) 341-9514
Scherz	Andrew	CTEH	(501) 258-7077
Schmid	Ryan	Coast Guard	(415) 798-6475

1. Incident Name
Refugio Incident

2. Operational Period (Date/Time)
As of: 0525 1530 hrs

COMMUNICATIONS LIST
ICS 205A-CG

Schommer	Mike	OSPR	(707) 416-1141
Schulte	Todd	Plains	(307) 797-3379
Scouten	Jennifer	CERT	(804) 944-2128
Scranton	Tom	Patriot Environmental	(702) 501-7020
Scranton	Alex	Patriot Environmental	(818) 442-2890
Senner	Bill	Plains	(562) 221-8211
Servidio	Joe	Coast Guard	
Settle	Ashley	Plains	(904) 629-0805
Shadkamyan	Amy	UCSB	(805) 448-2189
Shafer	Allen	Plains	(307) 259-1289
Sheaff	Jessica	Co Santa Barbara	(805) 406-0116
Shestag	Carol	Stantec	(805) 509-0377
Shuman	Craig	Ca Fish & Wildlife	(916) 215-9694
Siegmund	Karl	Coast Guard	(909) 477-7652
Siemann	Taylor	Patriot Environmental	(805) 679-3297
Simmons	David	US Fish & Wildlife	(805) 665-8029
Simmons	Matt	Clean Seas	(954) 232-2968
Simpson	Robert	Coast Guard	(727) 403-8379
Sironen	Heather	OSPR	(916) 730-9992
Skelton	Scott	CTEH	(501) 952-9621
Sleeper	Preston	WOB	(503) 686-3158
Smith	Phil	Plains	(713) 851-1765
Smith	James	Coast Guard	(251) 644-1785
Smith	Lincoln	NOAA	(307) 220-3616
Smith	Stacie	NOAA	(805) 570-5166
Smith	Larry	Clean Seas	(805) 233-0875
Sobieski	Dan	WOB	(714) 342-6358
Sodusta	Jaime	Co Santa Barbara	(805) 705-1341
Stackhouse	Mike	Plains	(281) 684-7985
Standley	William	US Fish & Wildlife	(805) 644-1766
Staneart	Cody	Coast Guard	(510) 289-0780
Stanley	Lindsey	COES	(805) 452-0070
Stanton	Beckye	CA Fish & Wildlife	(916) 216-6299
Stewart	Joe	OSPR	(916) 205-8661
Storrer	John	SBCO Energy	(805) 689-5982
Stout	Jordan	NOAA	(206) 321-3320
Strojek	Bob	CERT	(805) 705-5763
Stultz	Dale	OSPR	(530) 768-4767
Su	Wendy	US EPA	(415) 947-4554
Sugarman	Susan	Ca Fish & Wildlife	(916) 215-8284
Surface	Cheryl	WOB	(775) 721-3663
Swartz	Sam	COCC	(805) 806-0348

1. Incident Name
Refugio Incident

2. Operational Period (Date/Time)
As of: 0525 1530 hrs

COMMUNICATIONS LIST
ICS 205A-CG

Syre	Chris	Ca Fish & Wildlife	(562) 522-2950
Tai	Suu-Va	Ca Volunteers	(414) 425-1514
Taylor	Rick	Plains	(562) 577-7007
Tejada	Barbara	CSP	(661) 435-3372
Thixton	Chris	Ca Fish & Wildlife	(562) 233-7095
Thompson	Eric	NOAA	(805) 910-9707
Todd	Ryan	Ca Fish & Wildlife	(916) 698-0036
Toney	Jeff	Ca OES	(562) 810-8419
Toney	Joe	SB Co Exec Office	(509) 251-8393
Torres	Sonia	OSPR	(562) 370-6794
Touth	Jane	US Dept Interior	(805) 320-3170
Trevino	Linda	BBCI	(805) 264-0542
Trevino	Angel	BBCI	(805) 319-6228
Troy	Bob	SB OEM	(805) 883-8036
Turner	Adam	Plains	(661) 910-8729
Turner	Keith	Plains	(562) 216-3281
Uslan	Jeff	Flamesniffer	(805) 498-3568
Valentine	David	UC SB	(805) 729-5431
Valenzuela	Troy	Plains	(713) 444-6984
Valenzuela	Noe	OC&C	(562) 234-6584
Velez	Loryann	BBCI	(805) 252-1612
Venkat	Manjunath	Stantec	(805) 358-9479
Verrue-Slater	Kathy	Ca Fish & Wildlife	(916) 599-1687
Vetters	Josh	WOB	(979) 665-6355
Victoria	Jon	Ca Fish & Wildlife	(310) 413-6533
Viezbicke	Justin	NOAA	(562) 506-4315
Vollbrecht	Kevin	NOAA	(818) 929-5416
Voss	James	NRVP	(909) 648-6313
Wada	Takashi	SBC Health Dept	(805) 319-0474
Wageneck	Lael	Co Santa Barbara	(805) 636-9204
Waldon	Maggie	US EPA	(415) 940-1109
Walsh	Aaron	Coast Guard	(626) 476-9683
Waters	Kris	NOAA	(805) 791-7876
Watkinson	Anastasia	WOB	(985) 956-1300
Weaver	Bryan	SBCFD	(805) 896-6338
Weaver	Jennifer	NOAA	(386) 341-6917
Weber	Michael	Stantec	(805) 477-8580
Weideman	Christopher	Coast Guard	(541) 335-9975
Weigand	Jim	USDI BLM	(916) 716-4809
Wells	Anne	City of Goleta	(805) 637-4397
Westervelt	Jeff	OSPR	(916) 212-1367
White	Chris	ISS	(903) 721-9681

1. Incident Name
Refugio Incident

2. Operational Period (Date/Time)
As of: 0525 1530 hrs

COMMUNICATIONS LIST
ICS 205A-CG

White	Greg	OSPR	(805) 458-1879
White	Cassandra	OSPR	(916) 508-2641
Whitebear	Sean	COCC	(805) 472-2489
Wiggins	Chris	NOAA	(404) 392-6710
Wilkin	Sarah	NOAA	(240) 429-9161
Wilkin	Chris	Flamesniffer	(805) 418-7979
Williams	Jennifer	Coast Guard	(562) 355-3672
Wilson	Allison	Plains	(213) 925-9633
Wilson	Ken	OSPR	(805) 558-1006
Wolf	Janet	SB Co Supervisor	(805) 568-2191
Wolfe	Lisa	Ca Fish & Wildlife	(916) 919-3405
Wong	Howard	LA FD Inv	(213) 725-6313
Workman	Darin	WOB	(985) 201-4339
Wright	Johnny	Plains	(432) 638-6363
Wrobel	Mark	Clean Seas	(310) 613-2566
Yee	James	BBCI	(805) 968-1606
Yukihiko	Richard	Patriot Environmental	(562) 244-2764
Zane	Jeff	Stantec	(805) 340-5768
Zellmer	Mark	Stantec	(714) 742-9131
Ziccardi	Mike	OWCN	(530) 979-7561
Zubiate	Selena	CBM	(805) 743-1805
Zuroski	Donn	US EPA	(415) 971-6829
Zuroski	Ray	US EPA	(650) 303-3339

1. Incident Name Refugio Incident		2. Operational Period 8 (Date / Time) From: 05/28/2015 0600 To: 05/29/2015 0559			MEDICAL PLAN ICS 206-CG	
3. Medical Aid Stations						
Name	Location	Contact #	Transport Availability			
American Medical Response Paramedic/EMT team	Refugio Staging 193 Refugio Road Goleta, CA 93117	310-292-9853	Yes			
Santa Barbara County Fire Rescue	Incident Command Center	805-896-6333	No			
4. Transportation						
Ambulance Service	Address	Contact #	Care Capability			
American Medical Response	240 East Hwy 246 Buellton, CA 93117	805-245-3424 Need Medic Phone	Paramedic/EMT team			
CALSTAR 7 (air medical transport team)	3996 Mitchell Road Santa Monica, CA 93455	805-938-9038	Advanced Practice, 2 Nurse team			
Santa Barbara County Air Support (air medical transport team with hoist capabilities)	906 Airport Road Santa Ynez, CA 93460	805-692-5723	2 Paramedic team			
Santa Barbara County Fire Rescue, and dispatch center	4408 Cathedral Oaks Road Santa Barbra	805-692-5723	Paramedic			
5. Hospitals						
Hospital Name	Address	Contact #	Travel Time		Burn Center	Helipad
			Air	Ground		
Goleta Valley Cottage Hospital	251 South Patterson Ave. Santa Barbara, CA 93111	805-967-3411	N/A	20/min		No
Grossman Burn Center	7300 Medical Center Drive West Hills CA	818-676-4177	20 min	1.25 hours	Yes	Yes
Santa Barbara Cottage Hospital	400 West Pueblo Street Santa Barbara, CA 93105	805-682-7111	8 min	27 min	No	Yes
6. Special Medical Emergency Procedures						
<ol style="list-style-type: none"> 1. Life threatening emergencies call paramedic onsite in staging area 310-292-9853 or 911, notify direct supervisor ASAP Direct line to Santa Barbara County dispatch center 805-692-5723 2. Non-life/limb threatening illness or injury: notify direct supervisor and follow "medical reporting procedures" and render first aid 3. If an ambulance is requested to transport an illness or injury in the field; have them report to nearest drop point location, indicated on the attached map and send a designee to the road to guide medical services to emergency location 4. All illnesses and injuries will be reported as established in "medical reporting procedures" and to Randy Fordham, Plains Safety Officer 661-332-9164 5. All complaints of illness and injury will require an incident reporting record 6. Essential reporting information for EMS provider <ol style="list-style-type: none"> 1. Nature of injury 2. Location of patient and point of contact 3. Point of contact 4. Age and gender of patient 						
7. Prepared by: (Medical Unit Leader) Sally Mostellar RN/Josh Cazier EMT		Date/Time 05/27/2015	8. Reviewed by: (Safety Officer) <i>[Signature]</i> SDFR		Date/Time 5/27/15 1653	
MEDICAL PLAN			ICS 206-CG (Rev. 07/04)			

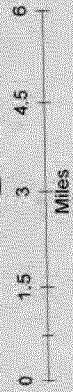
90 of 97



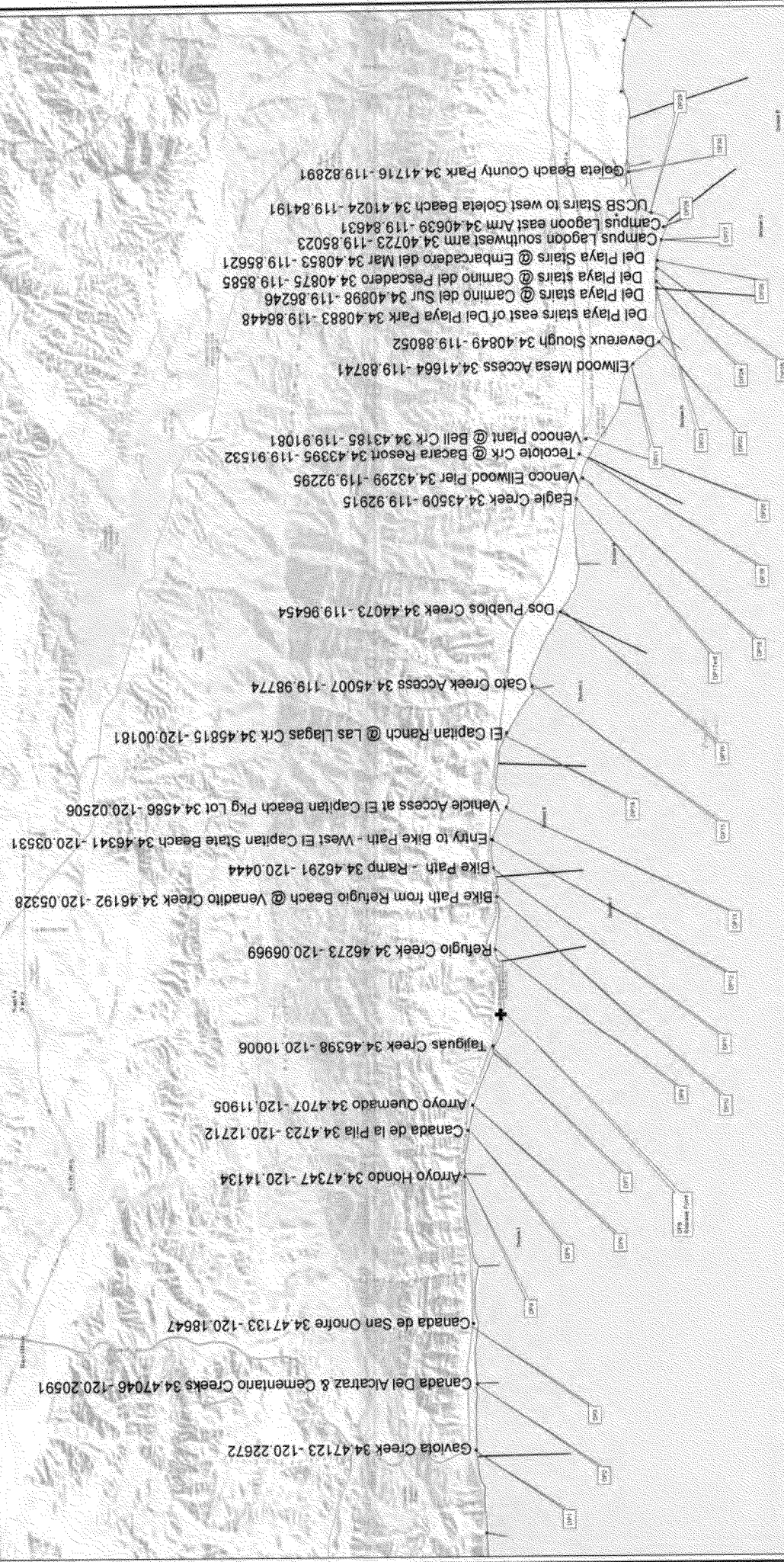
California Department of Fish and Wildlife
Office of Spill Prevention and Response

Data Source: OSPR GIS
Requestor: PIO
Author: J. Muskat
Date Created: 5/22/2015

Refugio Incident Overview Map Medical Access



Operational Division Line
SCAT Segment Line



Tajiguas Creek 34.46398 -120.10006

DP7

DP8
Release Point

Division I

Refugio Creek 34.46273 -120.06969

DP9

Division J

DP10

DP11

DP12

DP13

Division K

DP14

DP15

DP16

Gato Creek Access 34.45007 -119.98774

El Capitan Ranch @ Las Llagas Crk 34.45815 -120.00181

Vehicle Access at El Capitan Beach Pkg Lot 34.4586 -120.02506

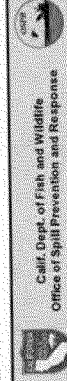
Entry to Bike Path - West El Capitan State Beach 34.46341 -120.03531

Bike Path - Ramp 34.46291 -120.0444

Bike Path from Refugio Beach @ Venadito Creek 34.46192 -120.05328

Dos Pueblos Creek 34.44073 -119.96454

Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

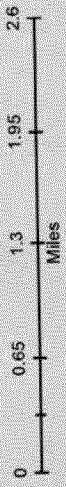


Calif. Dept. of Fish and Wildlife
Office of Spill Prevention and Response

NAD 1983 California, Tule, Abers

Date Source: OSPR
Revised: 3/8/10
Author: J. Munkit
Date Created: 5/25/2015

Medical Access Drop Point Locations

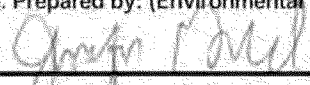


1. Incident Name		2. Operational Period (Date/Time)		Operational Period	DAILY MEETING
Refugio Incident		From 05/28/2015 06:00 To 05/29/2015 05:58		Ops Period 8	SCHEDULE ICS 230-CG
3. Meeting Schedule(Commonly-held meetings are included)					
Date/Time	Meeting Name	Purpose	Attendees	Location	
05/27/2015 06:30	Operations Briefing	Present IAP and assignments to the Supervisors/Leaders for the next Operational Period	IC/UC, Command & General Staff, Branch Directors, DOV/GRP Supv, Task Force/Strike Team Leaders and Unit Leaders	Refugio State Beach	
05/27/2015 07:45	Unified Command Objectives Meeting	Review identify objectives for the next operational period.	Unified Command Members	Conference Room #115, SBC EOC	
05/27/2015 09:30	Command and General Staff Meeting	IC/UC gives direction to Command & General Staff including incident objectives and priorities	IC/UC, Command General Staff	Conference Room #115, SBC EOC	
05/27/2015 12:30	Preparing for the Tactics Meeting	Prepare for the upcoming tactics meeting. Review the ICS 234, ICS 215 and ICS 215a as appropriate	PSC, OSC, LSC, FSC	SBCFD Fire Station	
05/27/2015 14:00	Preparing for the Press Conference	Prepare the Unified Command for the 1400 hours Press conference.	Unifed Command and PIO	Conference Room #115 SBCOEM EOC	
05/27/2015 14:00	Tactics Meeting	Develop/Review primary and alternate strategies to meet Incident Objectives for the next operational period.	PSC, OSC, LSC, FSC, RUL, SUL, SOFR, DOCL, COML and THSP		
05/27/2015 15:00	Press Conference	Brief media and other stakeholders on the response status	IC/UC, PIO	Outside SBC EOC	
05/27/2015 15:00	Preparing for the Planning Meeting	The Planning Section Chief facilitates the preparation of documents for the Planning meeting.	Command and General Staff	SBC EOC	
05/27/2015 16:00	Stakeholder Roundtable	Conduct a stakeholder roundtable.	Unified Command and PIO	Conference Room #115, SBC EOC	
05/27/2015 17:30	Planning Meeting	Review status and finalize strategies and assignments to meet Incident Objectives for the next Operational Period.	IC/UC, Command & General Staff	Conference Room #115, SBC EOC	
05/27/2015 19:00	IAP Approval	Present the IAP to the Unified Command for approval.	IC/UC, PSC	Conference Room #115, SBC EOC	
4. Prepared by (Situation Unit Leader)				Date / Time	
Steve Browne				05/27/2015 11:30	
DAILY MEETING SCHEDULE		05/27/2015 21:00		ICS 230-CG (Rev 07/08)	

1. Incident Name Refugio Beach		2. Operational Period (Date/Time) From: 5/28/15; 6:00 To: 5/29/15; 6:00		RESOURCES AT RISK SUMMARY Division SB-P ICS 232-OS	
3. Environmentally-Sensitive Areas and Wildlife Issues					
Site #	Priority	Site Name and/or Physical Location	Site Issues		
4-650	B	Goleta Point & Campus Lagoon	<ul style="list-style-type: none"> Spring and summer for grunion spawning. All year for California sea lion haul out area and for Eel grass beds. California least tern (Apr-Sep), Gulls, Terns, Waterfowl. Sea otters have been observed in the vicinity (irregular sightings). California grunion (Apr-Aug). Common Pacific littleneck clam (Apr-Sep), Pismo clams (Jun-Sep). Giant kelp, Eelgrass. 		
4-655	A	Goleta Slough	<ul style="list-style-type: none"> Steelhead trout run pass through the slough February through June depending upon persistence and magnitude of flows. Brown pelicans and Belding's savannah sparrow all year. The Goleta Slough is one of the largest wetlands in the region (350 acres). It is an important wildlife area, designated as a nature reserve that is dominated by pickleweed. Waterfowl, shorebirds and seabirds, Brown pelicans (All Year), Belding's savannah sparrow (All Year), and Western snowy plovers (Apr-Sep). Salt marsh bird's beak, Steelhead trout. 		
4-657	B	More Mesa & Goleta Rocks	<ul style="list-style-type: none"> Jan through June for harbor seals pupping and breeding. All year for harbor seal haul out. Brown pelican, harbor seals maximum count to date = 70. Common pacific littleneck clams (Apr-Sep), Pismo clams (Jun-Sep) 		
Narrative <p>This ~2.3 mile stretch of shoreline from Goleta (Campus) Point to the beach Tarseep on the Goleta shoreline is characterized by fine to medium grained sand beaches backed by steep cliffs. There is a 0.87 mile long stretch of uninterrupted sandy shoreline from Campus Pt to a rocky prominence which extends out into the water at the west end of the County Park. There is one stairway down to the beach in this segment. The sandspit is public property, in which Goleta Beach County Park and the Beachside Restaurant are located.</p> <p>T&E Species Concerns: Possibly Least Tern, Sea Otter, Steelhead, Belding Savannah Sparrow, Western Snowy Plovers.</p> <p>A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in the Santa Barbara County area. Check with the Santa Barbara Ocean Quality Hotline, 805-681-4949, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan.</p>					
4. Archaeo-cultural and Socio-economic Issues					
Site #	Priority	Site Name and/or Physical Location	Site Issues		
11	E	Goleta Beach County Park	<ul style="list-style-type: none"> Beach, picnic area and fishing pier facility uses 		
Narrative <p>Benjamin Beede can be contacted at (805) 685-1956 during business hours and through 24-hour emergency notification at (805) 896-4141 about socio-economic issues that exist for the Cultured Abalone.</p> <p>Rick Wheeler, the director of Santa Barbara County Parks (805) 568-2461 can be contacted for additional information about the socio-economic issues that exist for Goleta Beach County Park. Santa Barbara County OES can be reached during 24 hour access and notification through (805) 683-2724.</p> <p>Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-6624, and/or the Central Coast Archeological Information Center (805) 893-2474.</p>					
5. Prepared by: (Environmental Unit Leader)			Date/Time		
Jennifer Bull			5/27/15, 19:45		
RESOURCES AT RISK SUMMARY			June 2000		ICS 232-OS

Electronic version: NOAA 1.0 June 1, 2000

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1. Incident Name Refugio Beach		2. Operational Period (Date/Time) From: 5/28/15; 6:00 To: 5/29/15; 6:00		RESOURCES AT RISK SUMMARY Division SB-Q ICS 232-OS	
3. Environmentally-Sensitive Areas and Wildlife Issues					
Site #	Priority	Site Name and/or Physical Location	Site Issues		
4-660	A	Arroyo Burro Creek	<ul style="list-style-type: none"> Whenever the creek is open to the ocean, generally during rainy season into early summer, wetland biota are at risk. Rest of the year for seabirds, shorebirds, CA Bank Swallow (ST). Wetland biota including Tidewater goby (FE) 		
Narrative: <p>This ~6.75 mile stretch of shoreline from the large beach Tarseep on the Goleta shoreline along Hope Ranch and Mesa shorelines to Santa Barbara Pt, just west of Leadbetter Beach, is characterized by fine to medium grained sand beaches backed by steep cliffs. The westernmost 0.45 mi section of Division Q has four larger and several smaller tarseeps along a 0.45 mi. section of shoreline. Sand is underlain in many places by cobbles and low bedrock outcroppings. There are three stairways leading to the beach along the Mesa area of Santa Barbara. The beach is narrow from the stairs at Mesa Lane to Meiggs Rd.</p> <p>T&E Species Concerns: Tidewater Goby, Bank Swallow.</p> <p>A. Water Contamination - Unhealthy levels of coliform bacteria have been found intermittently in streams and on beaches in the Santa Barbara County area. Check with the Santa Barbara Ocean Quality Hotline, 805-681-4949, regarding health conditions prior to engaging in any activities which would require direct water contact. Use appropriate PPE, safety procedures, and include reference to potential health problems in any site safety plan. B.</p>					
4. Archaeo-cultural and Socio-economic Issues					
Site #	Priority	Site Name and/or Physical Location	Site Issues		
12	E	Arroyo Burro Beach City Park	<ul style="list-style-type: none"> Beach, restaurant and snack shop facility uses 		
13	E	Eaglenet Sea Farms mariculture	<ul style="list-style-type: none"> Red abalone growing area 		
14	E	Santa Barbara Mariculture Co	<ul style="list-style-type: none"> Offshore of Arroyo Burro, various shellfish culture 		
Narrative <p>Rick Wheeler, the director of Santa Barbara County Parks (805) 568-2461 can be contacted for additional information about the socio-economic issues that exist at Arroyo Burro Beach. Santa Barbara County OES can be reached during 24 hour access and notification through (805) 683-2724.</p> <p>Cultural, Historical, and Archeological sites are known to exist in the area, however, the exact locations of these sites must be ascertained by contacting the Native American Heritage Commission at (916) 653-4082 and State Office of Historical Preservation (916) 653-8624, and/or the Central Coast Archeological Information Center (805) 893-2474.</p>					
5. Prepared by: (Environmental Unit Leader)			Date/Time		
			5/27/15, 19:45		
RESOURCES AT RISK SUMMARY			June 2000		ICS 232-OS

Electronic version: NOAA 1-0 June 1, 2000

1. Incident Name Refugio Incident		2. Operational Period (Date/Time) From: 5/28/15, 0600 To: 5/29/15, 0600		ACP Site Index ICS 232a-OS
3. Index to ACP/GRP sites shown on Situation Map				
Site #	Priority	Site Name and/or Physical Location	Action	Status
4-601	A	Gaviota Creek	400 ft of primary and secondary boom Set stakes to anchor boom	Completed 5/19 1600
4-605	C	Canada Del Alcatraz & Cementario Creeks	Pre-impact debris removal	Completed 5/22 1500
4-607	A	Arroyo Hondo Preserve and Creek	100 ft of swamp boom 100 ft of sorbent boom Secured with stakes	Completed 5/21
4-610	A	Refugio Creek (spill site, boomed)	400 ft of hard boom 400 ft of absorbant boom Staked per site strategy	boomed
4-613	A	Corral- Las Flores Creeks	Pre-impact debris removal	Completed 5/20
4-615	A	El Capitan Creek	40 ft of swamp boom 40 ft of sorbent boom Secured with stakes	Completed by clean seas 5/20
4-620	A	Las Llagas	200 ft of absorbant boom 200 ft of hard boom Staked per site strategy	Completed 5/20 b/n 1700-1900 hrs
4-625	B	Naples	Pre-impact debris removal	Completed 5/21 1600
4-630	A	Eagle Canyon Creek	Pre-impact debris removal 100 ft absorbant boom 100 ft of hard boom	Completed 5/22 1620
4-635	A	Tecolote Creek	400 ft of hard boom 400 ft of absorbant boom Staked per site strategy	Completed 5/20 b/n 2000-2130 hrs High natural berm confirmed
4-640	A	Bell Canyon Creek	400 ft of hard boom 400 ft of absorbant boom Staked per site strategy Additional boom was needed	Completed 5/20 b/n 2000-2130 hrs High natural berm confirmed
4-645	A	Devereaux Slough	See Status	Decision was made not to deploy boom due to plovers High natural berm confirmed
		Tajiguas Creek	200 ft of hard boom 200 ft of absorbant boom	Completed 5/22 0842
4-655	A	Goleta Slough	2000 ft of hard boom 2000 ft of absorbent	
4-660	A	Arroyo Burro Creek	300 ft of hard boom 200 ft of hard boom	
4. Prepared by: <i>M. A. Beck</i> Date/Time: <i>5/27/2015</i>				
ACP Site Index		June 2000		ICS 232a-

SPOT FORECAST FOR REFUGIO INCIDENT...USCG
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA
323 AM PDT WED MAY 27 2015

FORECAST IS BASED ON INCIDENT TIME OF 0500 PDT ON MAY 27. IF
CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER
SERVICE.

.DISCUSSION...A WEAK UPPER LOW WILL MOVE THROUGH SOUTHERN
CALIFORNIA TODAY ALLOWING FOR LOW CLOUDS TO PERSIST ACROSS MUCH OF
THE REGION THROUGH EARLY TO MID AFTERNOON TODAY BEFORE GIVING WAY
TO PARTLY SUNNY SKIES...SIMILAR TO YESTERDAY. HIGH TEMPERATURES
WILL BE SIMILAR TO YESTERDAY AS WELL. BY THURSDAY...THE UPPER
TROUGH WILL EXIT TO THE EAST ALLOWING FOR A MODERATE AMPLIFIED
RIDGE AXIS TO MOVE OVER THE REGION. THIS WILL BRING ONLY A FEW
DEGREES OF WARMING ALONG THE COAST...WITH MORE EXTENSIVE WARMING
ACROSS INLAND AREAS...LIKELY UP TO THE MID 80S ACROSS INLAND
VALLEYS THROUGH THIS WEEKEND. THE MARINE LAYER WILL BE SHALLOWER
DUE TO THE HIGH PRESSURE ALOFT WHICH SHOULD CAUSE SOME PATCHY FOG
TO OCCUR AT SOME COASTAL LOCATIONS EACH NIGHT THROUGH MORNING
HOURS FROM THURSDAY THROUGH THE WEEKEND.

THERE WILL BE LOCAL GUSTY NORTHWEST TO NORTH WINDS ACROSS THE
WESTERN PORTION OF THE SANTA YNEZ MOUNTAIN RANGE AND THE WIND
PRONE PASSES AND CANYONS FROM WEST OF REFUGIO BEACH TO GAVIOTA.
THIS WILL ALLOW FOR LOW CLOUDS TO DELAY FROM FORMING UNTIL NEAR
SUNRISE BOTH THURSDAY AND FRIDAY MORNINGS NEAR RUFUGIO BEACH.

OUTLOOK FROM SUNDAY THROUGH WEDNESDAY...A COOLING TREND IS LIKELY
ACROSS THE REGION AS ANOTHER UPPER TROUGH WILL MOVE IN OVER
SOUTHERN CALIFORNIA. THIS WILL LIKELY CAUSE THE MARINE LAYER TO
DEEPEN AND POSSIBLY KEEP COASTAL AREAS PARTLY TO MOSTLY CLOUDY
INTO THE AFTERNOON HOURS.

.THURSDAY...

SKY/WEATHER.....PATCHY LOW CLOUDS AND FOG IN THE MORNING...THEN
MOSTLY SUNNY.

TEMPERATURE.....MAX 69-72.

RH.....MIN 45-50 PERCENT.

WIND (20 FT).....0600-1000: WINDS VARIABLE 2-4 MPH...BECOMING
SOUTHWEST 5 MPH LATE.

1000-1300: SOUTHWEST 4 TO 8 MPH.

1300-1800: SOUTHWEST 4 TO 8 MPH...BECOMING WEST
TO NORTHWEST 5 TO 10 MPH WITH OCCASIONAL GUSTS
TO 15 MPH AFTER 1500 HOURS. =

SWELL HEIGHT.....SOUTHWEST SWELL 1 FOOT.

SWELL PERIOD.....15-17 SECONDS.

WIND WAVE.....FLAT EARLY...BECOMING WEST AT 1-3 FEET.

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1. Incident Name	2. Operational Period (Date/Time)	Operational Period	INCIDENT BRIEFING
Refugio Incident	From 05/28/2015 06:00 To 05/29/2015 05:58	Ops Period 8	ICS 202-CG
3. Objective(s)			
<p>Ensure the safety of response personnel and the public.</p> <p>Continue to evaluate the oil impacts</p> <ul style="list-style-type: none"> a. At release site b. Between pipe and beach c. Beach cleanup d. Evaluate SCAT <p>Continue to prevent migration of oil from release site to shoreline</p> <p>Continue to recover discharged oil from impacted areas, both public and private, and manage waste according to plan.</p> <p>Continue to ID and protect environmentally sensitive areas</p> <p>Continue to protect culturally sensitive areas including wildlife.</p> <p>Keep public and stakeholders informed</p> <p>Minimize economic impacts</p> <p>Repair pipeline safely</p> <p>Provide for the recovery and care of oiled wildlife.</p> <p>Differentiate seep oil from incident oil</p>			
4. Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)			
<p>Limitations and Constraints</p> <p>Tides</p> <p>Access to beach</p> <p>Location</p> <p>Weather System</p> <p>Permitting with the county and other authorities</p> <p>Cultural Considerations</p> <p>Nesting season</p> <p>Hotel accommodations</p> <p>Protection of Critical Infrastructure</p> <p>Ensure continuity of Incident Command Post Operations</p> <p>All response related media releases require Unified Command approval</p> <p>Keep Unified Command aware of VIP request</p> <p>Immediately report any injuries, public or responders, to the Unified Command</p> <p>Priorities</p> <p>Safety</p> <p>Security - Maintain Situational Awareness</p> <p>Wildlife impacts - Notify Unified Command</p> <p>Discharge quantities</p> <p>Recovered quantities</p> <p>Beach open</p> <p>Source control</p> <p>Protect cultural resources</p> <p>Public information dissemination</p> <p>Establish and implement Cleanup End points - Environmental Unit</p> <p>Changes in impacted beaches require that Santa Barbara County Public Health, Dr. Wada, be notified.</p> <p>Ensure all operations are conducted in accordance with the approved plan.</p>			
INCIDENT OBJECTIVES			

05/28/2015 09:12

ICS 202

Keep the Unified Command informed of volunteer needs.

Keep the Unified Command informed on onshore cleanup activities and document the same with a visual (map).

Approved Site Safety Plan Located at the SBCOEM with the Safety Officer

Prepared by (Operations Section Chief)

sbrowne

Date/Time

05/27/2015 11:29

INCIDENT OBJECTIVES

05/28/2015 09:12

CS 202